CLASSROOM
BUILDING

La Salle College Bulletin

EVENING DIVISION 1970-71

ACCREDITATION AND MEMBERSHIP

La Salle College is chartered by the Legislature of the Commonwealth of Pennsylvania and is empowered by that authority to grant academic degrees. It is accredited with the Middle States Association of Colleges and Secondary Schools, the Pennsylvania State Department of Public Instruction, the Regents of the University of the State of New York, Pennsylvania State Board of Law Examiners.

The College is a member of

The American Chemical Society

The American Council on Education

The Association of American Colleges

The College Entrance Examination Board

The American Association of Collegiate Registrars and Admissions Officers

The National Catholic Educational Association

The Association of College Admissions Counselors

The College and University Council of Pennsylvania

The Association of Liberal Arts Colleges of Pennsylvania for the Advancement of Teaching

The Pennsylvania Catholic Education Association

The American Library Association

The National Commission on Accrediting

The American Catholic Historical Society

The Educational Conference of the Brothers of the Christian Schools

The Association of University Evening Colleges

LA SALLE COLLEGE BULLETIN

EVENING DIVISION

1970-71 ANNOUNCEMENT

La Salle College

CURRICULA IN
LIBERAL ARTS
SCIENCE
AND
BUSINESS
ADMINISTRATION

A Catholic College
Conducted by
The Brothers of the Christian Schools

CONTENTS

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CALENDAR

For Summer or Fall Admission

April	6	Monday	7	Tuesday	8	Wednesday
	27	Monday	28	Tuesday	29	Wednesday
May	14	Thursday	18	Monday	19	Tuesday
June	11	Thursday	15	Monday	16	Tuesday
	24	Wednesday	25	Monday	30	Monday
July	6	Monday	8	Wednesday	9	Thursday

For Fall Admission

July	16	Thursday	20	Monday	21	Tuesday
	28	Monday	29	Tuesday	30	Wednesday
August	11	Tuesday	12	Wednesday	13	Thursday
	17	Monday	18	Tuesday	19	Wednesday
	20	Thursday	24	Monday	25	Tuesday
	26	Wednesday	27	Thursday		

For Spring Admission

November	2	Monday	4	Wednesday	5	Thursday
	17	Tuesday	18	Wednesday	19	Thursday
December	3	Thursday	7	Monday	10	Thursday
	14	Monday	15	Tuesday	17	Thursday
January	4	Monday	5	Tuesday	6	Wednesday
	7	Thursday	11	Monday	13	Wednesday
	14	Thursday	18	Monday	19	Tuesday

1970

JANUARY							FEBRUARY							MARCH						
Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3	1	2	3	4	5	6	7	1	2	3	4	5	6	7
4	5	6	7	8	9	10	8	9	10	11	12	13	14	8	9	10	11	12	13	14
11	12	13	14	15	16	17	15	16	17	18	19	20	21	15	16	17	18	19	20	21
18	19	20	21	22	23	24	22	23	24	25	26	27	28	22	23	24	25	26	27	28
25	26	27	28	29	30	31								29	30	31				

APRIL							MAY							JUNE						
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		1	2	3	4							1	2		1	2	3	4	5	6
5	6	7	8	9	10	11	3	4	5	6	7	8	9	7	8	9	10	11	12	13
12	13	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20
19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27
26	27	28	29	30			$\frac{24}{31}$	25	26	27	28	29	30	28	29	30				

JULY							AUGUST							SEPTEMBER						
Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4								1			1	2	3	4	5
5	6	7	8	9	10	11	2	3	4	5	6	7	8	6	7	8	9	10	11	12
12	13	14	15	16	17	18	9	10	11	12	13	14	15	13	14	15	16	17	18	19
19	20	21	22	23	24	25	16	17	18	19	20	21	22	20	21	22	23	24	25	26
26	27	28	29	30	31		$\frac{23}{30}$	$\frac{24}{31}$	25	26	27	28	29	27	28	29	30			

OCTOBER							NOVEMBER							DECEMBER						
Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3	1	2	3	4	5	6	7			1	2	3	4	5
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18	19	20	21	22	23	24	22	23	24	25	26	27	28	20	21	22	23	24	25	26
25	26	27	28	29	30	31	29	30						27	28	29	30	31		

1971

JANUARY							FEBRUARY							MARCH						
Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2		1	2	3	4	5	6		1	2	3	4	5	6
3	4	5	6	7	8	9	7	8	9	10	11	12	13	7	8	9	10	11	12	13
10	11	12	13	14	15	16	14	15	16	17	18	19	20	14	15	16	17	18	19	20
17	18	19	20	21	22	23	21	22	23	24	25	26	27	21	22	23	24	25	26	27
$\frac{24}{31}$	25	26	27	28	29	30	28							28	29	30	31			

APRIL							MAY							JUNE						
Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3							1			1	2	3	4	5
4	5	6	7	8	9	10	2	3	4	5	6	7	8	6	7	8	9	10	11	12
11	12	13	14	15	16	17	9	10	11	12	13	14	15	13	14	15	16	17	18	19
18	19	20	21	22	23	24	16	17	18	19	20	21	22	20	21	22	23	24	25	26
25	26	27	28	29	30		$\frac{23}{30}$	$\frac{24}{31}$	25	26	27	28	29	27	28	29	30			

JULY							AUGUST							SEPTEMBER						
Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3	1	2	3	4	5	6	7				1	2	3	4
4	5	6	7	8	9	10	8	9	10	11	12	13	14	5	6	7	8	9	10	11
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18	19	20	21	22	23	24	22	23	24	25	26	27	28	19	20	21	22	23	24	25
25	26	27	28	29	30	31	29	30	31					26	27	28	29	30		

OCTOBER							NOVEMBER							DECEMBER						
Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2		1	2	3	4	5	6				1	2	3	4
3	4	5	6	7	8	9	7	8	9	10	11	12	13	5	6	7	8	9	10	11
10	11	12	13	14	15	16	14	15	16	17	18	19	20	12	13	14	15	16	17	18
17	18	19	20	21	22	23	21	22	23	24	25	26	27	19	20	21	22	23	24	25
$\frac{24}{31}$	25	26	27	28	29	30	28	29	30					26	27	28	29	30	31	

ACADEMIC CALENDAR: 1970-1971

Fall Semester, 1970

August	15	Saturday	Final date for accepting applications for admission of students with advanced standing.
August	19	Wednesday	Final date for accepting applications for admission of new students.
August	31	Monday	
September	1	Tuesday	Final registration for fall semester.
September	2	Wednesday	
September	3	Thursday	
September	8	Tuesday	Fall semester classes begin.
September	10	Thursday	Final date for change of roster and late registration.
October	26	Monday to	
November	3	Tuesday	Mid-semester examinations.
November	10	Tuesday	Final date for withdrawal without penalty of failure.
November	25	Wednesday	Thanksgiving recess begins at 10:30 P.M.
November	30	Monday	Classes resume at 5:30 P.M.
December	19	Saturday	End of fall semester classes at 12:00 noon.
January	4	Monday to	
January	12	Tuesday	Fall semester final examinations.

Spring Semester, 1971

January	6	Wednesday	Final date for accepting applications for admission of students with advanced standing.
January	11	Monday	Final date for accepting applications for admission of new students.
January	18	Monday	
January	19	Tuesday	Final registration for spring semester.
January	20	Wednesday	
January	21	Thursday	
January	25	Monday	Spring semester classes begin.
January	28	Thursday	Final date for change of roster and late registration.
March	15	Monday to	
March	23	Tuesday	Mid-semester examinations.
March	30	Tuesday	Final date for withdrawal without penalty of failure.
April	7	Wednesday	Easter recess begins at 10:30 P.M.
April	13	Tuesday	Classes resume at 5:30 P.M.
May	8	Saturday	End of spring semester classes at 12:00 noon.
May	10	Monday to	
May	18	Tuesday	Spring semester final examinations.
May	23	Sunday	Commencement day.

Brother Daniel Burke, F.S.C., Ph.D.
President
Appointed, June 5, 1969
Inaugurated, October 19, 1969

HISTORY OF THE COLLEGE

La Salle's history had its modest beginning in the year 1863. It was in that year that the state granted the College a charter and the Christian Brothers brought the new institution into being. Its nucleus was the Academy conducted by the Brothers as an annex to St. Michael's Parochial School. In the years which followed, the College outgrew three locations— the parish site, a site at Broad and Juniper Streets, and the old Bouvier mansion at Broad and Stiles Streets. The College purchased part of Wister Farms in 1929 and began operating at its present site the following year, only to be faced with the dark years of the Great Depression. The war years which followed were even worse in their depletion of the student population of all-male colleges. With the end of World War II, however, La Salle faced a completely different kind of problem. The influx of veterans taking advantage of the G.I. Bill strained facilities to the utmost, but the College met this challenge successfully and began a carefully-planned development program to make ready for the expanding enrollments of the future.

Since 1945, La Salle has experienced the most dramatic period of expansion in its history. Present enrollment in both Day and Evening Divisions is approximately 6,300 students, as compared to a 1940 enroll- ment of about 400. In the last 17 years, 12 new buildings have been added to the campus.

The Evening Division was inaugurated in 1946 in response to the needs of industry throughout the Delaware Valley; within 10 years eve- ning classes were utilizing every available inch of classroom space.

In 1951 the College added the Dixon estate in Elkins Park and established Anselm Hall as a House of Studies for student Brothers. In 1952, a new library was erected, and the following year the first of five new dormitories was opened to residence students. By 1955 the rapid growth of the College made it necessary to reorganize the administrative pattern into separate schools of Arts and Sciences, Business Administra- tion, and the Evening Division.

The latest steps in the physical development of La Salle are the College Union, opened in 1959; The Roland Holroyd Science Center, 1960; two new Freshman residence halls, 1962; Olney Gardens, a local apartment, purchased and converted to a residence hall in 1964; a new student chapel in 1965; and two new student residence halls opened in September, 1966. A new classroom building and a physical recreation building, now under construction, are scheduled for 1971 occupancy.

Since February, 1967, women students have been accepted into the previously all male Evening Division.

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Brother Emery C. Mollenhauer, F.S.C., Ph.D.
Vice-President for Academic Affairs

Philosophy and Objectives

La Salle College offers students an education founded on the idea that man's intellectual and spiritual development go hand in hand, complementing and fulfilling one another. The basic purpose of the College is a free search for truth and the development of materials and skills necessary for the search; its religious concern is an extension of that purpose. In a company of mature teachers and scholars, the College urges the student to confront the ultimate questions of human experience: who he is; where his destiny lies; how he is to reach it.

La Salle is committed to a liberal education of both general and specialized studies. It wants its students to liberate themselves from narrow interests and prejudices and to learn to observe reality with precision, judge events and opinions critically, think logically, communicate effectively, and sharpen esthetic perception. The curriculum involves a body of knowledge about the universe; about man—his nature, behavior, and values; about God. It also provides an opportunity to gain specialized knowledge in one field of learning as a preparation for graduate study or entry into professional life. Beyond this breadth and depth of knowledge, the College encourages its students to seek wisdom, that is, to grasp those basic principles which can give order to particular facts.

As a private Catholic college, La Salle pursues these aims in a religiously diverse community of teachers and students interested in studying secular subjects in their autonomy, undertaking theological study in a systematic way, and investigating what interrelations these subjects may have. The community also engages in programs in which the students' personal, social and religious values may take root in which the students may grow in mature attitudes and behavior in all human relationships. The ultimate hope of the College is that its graduates will be ready for informed service and progressive leadership in their communities and will be able to fulfill the immediate and final goals of their lives.

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The Special Purpose of the Evening Division

The particular purpose of the Evening Division of La Salle College is to afford the opportunity for an education to those who are unable to attend college during the day, but who recognize the value of an organized program of studies as means of increasing their knowledge, broadening their perspective, and developing their abilities for successful living.

The program of the Evening Division has been planned to meet the needs of a student body which, for the greater part, is mature in experience and motivation. Although the objectives of the Evening College are not distinctively different from those of the Day College, they have been modified in some detail to provide for the adult character of the student body. Thus, the Evening Division endeavors to meet the educational needs of those who, necessarily, have varied backgrounds, who are mature in motivation and in determination to attain an academic degree.

The La Salle College Evening Division, therefore, aims to equip its students to achieve greater vocational competence by solidifying their educational experience on the buttressses of accredited college courses oriented toward the Bachelor's degree.

Because all courses are college credit offerings, the curriculum is centered on the concept of college education for adults, rather than a less academically controlled program of "adult education." Through the college curriculum, the Evening Division aims, in addition, to prepare its students for positions of greater responsibility and to help meet the needs of employers for personnel with a college background. The program seeks also to foster independent thinking which will result in individual growth toward better comprehension of personal and social problems, for improved adjustment to the stresses of competitive living, and for more effective contributions to a community in which there is extensive industrial and commercial activity.

Thomas N. McCarthy, Ph.D.
Vice-President for Student Affairs

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Admission to the Evening Division

Applicants who, in the opinion of the Committee on Admissions, are qualified to profit by the educational program of the College are admitted to the Evening Division. In determining the admission of an applicant, consideration shall be given to his past scholastic record, his present scholastic aptitude, his experience and his character recommendations.

All applicants are required to take a series of entrance examinations. The results of these examinations provide the Committee on Admissions with basic information for evaluating verbal and mathematical aptitudes, reading skills, and the extent of achievement in English and Mathematics. The schedule of dates for the administration of the entrance examinations, which appear on page 5 of this bulletin, will be given to each applicant upon the receipt of his application.

Attendance at La Salle College is a privilege and not a right. The College, therefore, reserves the right to refuse admission to any applicant or to require the withdrawal of any student when it deems his presence among the student body inimical to the ideals of the College or to the observance of its regulations.

Period of Admission

Applicants will be accepted each year for the Summer, Fall and Spring semesters beginning in June, September and January. A prospective student should file an application form and a transcript of his high school record or previous college record in the Evening Division Admissions Office not later than the date shown in the Academic Calendar on Page 7 of this Bulletin. The forms for application and high school transcript may be obtained from the Evening Division Admissions Office, La Salle College, Philadelphia, Pennsylvania 19141.

Classification of Applicants

Students are admitted to the Evening Division, according to their qualifications, under the following classifications:

1. Candidates for the degree of Bachelor of Arts.
2. Candidates for the degree of Bachelor of Science in Applied Mathematics, Business Administration, Chemistry, or Electronic Physics.
3. Candidates for the Certificate of Proficiency in Business Administration.

Admission Requirements

BACHELOR OF ARTS AND BACHELOR OF SCIENCE DEGREES

To qualify for admission as a candidate for the degree of Bachelor of Arts or Bachelor of Science, the applicant must satisfy the general requirements for admission, and his scholastic record must show the completion of sixteen units of study either in an accredited high school or by certification by a State Department of Education. Of these sixteen units, at least ten should be distributed as follows:

English	4 units
History	1 unit
Mathematics	2 units
Modern Language (see below)	2 units
Natural Science	1 unit

The remaining six units may be distributed as follows:

(1) Applicants for the Liberal Arts program may present six additional units in academic subjects.

(2) Applicants for curricula in Business Administration may present six additional units in academic or commercial subjects. Typing is not acceptable.

(3) Applicants for curricula in Science may present six additional units in academic subjects. The units in Mathematics must include two in Algebra and one-half in Trigonometry.

Modern Language Requirement: Applicants for the Liberal Arts program may be accepted without the modern language requirement, but they will be required to take twelve semester hours of a foreign language as part of their college curriculum.

Exceptions may be made to the secondary school requirements in those cases in which the applicant is otherwise well qualified, or in which a State Department of Education Equivalent High School Diploma has been obtained.

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Joseph J. Sprissler, D.C.S.
Vice-President for Business Affairs
Founder of the La Salle College Evening Division

CERTIFICATE OF PROFICIENCY

Applicants who desire a terminal program of study which may be completed in approximately one-half the time required for the degree and which is directed more towards the professional objectives of the Evening Division are admitted for the Certificate of Proficiency. The entrance requirements are essentially the same as those for degree candidacy. However, deficiencies in the high school record may be waived, provided that a high school diploma or its equivalent has been earned.

The Certificate of Proficiency will be granted in the curricula of Business Administration.

Transfer of Classification

Certificate students may transfer to the status of degree candidacy without loss of previously earned credit if they have met all requirements for degree candidacy at the time of admission. However, the College reserves the right to accept or reject for degree credit any course taken before the entrance requirements for the degree have been satisfied.

Evening Division students who change major curriculum must complete a minimum of forty-four hours in the curriculum area in which the bachelor's degree is conferred. Thus, an Electronic Physics major who transfers to the business administration curriculum must have completed at least forty-four semester hours in good standing in the business curriculum in order to receive the degree in business administration.

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Admission with Advanced Standing

An applicant who has attended another college or university may be admitted with advanced standing credit according to the following conditions:

1. The college or university attended must be an accredited degree granting institution.

2. The previous college record of the applicant must indicate good academic standing. No applicant will be accepted whose transcript reads "Academic Probation," or "Academic" or "Disciplinary Dismissal."

3. Advanced standing credit will be granted only for courses which are applicable to the curriculum which the applicant plans to follow.

4. Advanced standing credit will be allowed only for courses in which certifying grades have been received. No credit will be granted for incomplete courses, or for one term of a two-term course.

5. Advanced standing credit will normally be given only for courses completed within the past ten years.

6. Whenever necessary, the College reserves the right to administer subject examinations to determine the applicants qualifications for placement in advanced courses.

7. The Evening Division of La Salle College reserves the right to refuse admission with advanced standing for whatever reason it may deem proper.

8. Advanced standing is granted for specific semester credit hours, but not for grades received from another institution. Thus, a specific number of semester credit hours may be accepted from another institution, but the academic index of the student is determined only by grades achieved in the La Salle College Evening Division.

9. Applicants with Advanced Standing must have all credentials filed in the Evening Division Admissions Office by the date given in the Academic Calendar. (See page 7.)

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Admission Procedure

To be admitted to the Evening Division of La Salle College, the applicant who is entering college for the first time must comply with the following procedure before he will be permitted to register.

1. Secure an Application for Admission form, complete it and return it together with the application fee of $5.00 to the Evening Division Admissions Office, La Salle College, Philadelphia, Pennsylvania 19141.
   (See page 32 for an explanation of the application fee.)

2. Obtain a High School Transcript form and send it to the high school from which he has graduated with a request that it be completed and returned to the Evening Division Admissions Office, as directed on the form.

3. Upon the receipt of the application form, the applicant will be notified of the dates and the nature of the entrance testing program, and of any further conditions which he must satisfy before he will be granted admission to the College.

4. The applicant will be notified finally of the decision on his admission.

5. A successful applicant will be notified of the dates of registration.

Procedure for Admission with Advanced Standing

Applicants who have attended another college or university must comply with the following admission procedure:

1. Secure an Application for Admission form, complete it and return it together with the application fee of $5.00 to the Evening Division Admissions Office, La Salle College, Philadelphia Pennsylvania 19141. See page 32 for an explanation of the application fee.

2. Request the high school and the college or university which the applicant has attended to send transcripts of his records to the Evening Division Admissions Office.

3. Upon the receipt of the application form, the applicant will be notified of the dates and the nature of examinations which he may have to take, or of any further conditions which he must satisfy before admission.

4. The applicant will be notified of the action of the Committee on Admissions.

5. A successful applicant will be notified of the extent of advanced standing credit which he will be granted and of the dates of registration.

Registration

Students shall register for each term in accordance with the registration schedule as set forth in the official calendar shown on page 7 of this Bulletin. Detailed instructions for registration and for the rostering of courses are supplied prior to registration.

The rostering of courses shall be done under the direction of the Dean of the Evening Division and his assistants.

Registration after the scheduled time must be approved by the Office of the Dean and shall, if approved, be considered as a late registration subject to a fee. The period for late registration shall close at the end of the first week of class.

Upon the completion of registration, the student is officially enrolled in the courses for which he is rostered, and is financially responsible for the tuition charges. He is admitted to each class by the presentation of the proper Course Card which was issued to him at registration. To be valid, Course Cards must be stamped with the name of the Bursar of the College. It is the responsibility of the student to follow correctly the procedures for registration and admission to class.

John L. McCloskey, M.A.B.
Vice-President for Public Relations

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Roster Requirements

Students in the Evening Division who maintain a satisfactory academic index are permitted to schedule a maximum of three courses in any semester. Well over sixty percent of the students, however, follow only two courses each semester, and a number of students option to take only one course. The number of courses which a student is permitted to take is dependent upon his ability, his past academic record, his program of study, and the time at his disposal for study. Beginning the fall semester, 1965, additional checks on academic hours which students may take in any semester include a system of scheduling classes so that greater intervals are guaranteed between each class meeting.

General Roster Plan

Classes are scheduled for 140 or 180 minutes each week, dependent on whether the course is a three semester credit class or a four semester credit class. Most classes meet twice a week; each session is for seventy or eighty-five minutes, again dependent on whether the course itself is a three or four semester hour course. Some classes meet only once a week for a double-period on one evening.

The schedule for classes is as follows:

Four semester hour courses			*Three semester hour courses*		
1st period:	5:30 to	6:55 P.M.	1st period:	5:45 to	6:55 P.M.
2nd period:	7:00 to	8:25 P.M.	2nd period:	7:15 to	8:25 P.M.
3rd period:	8:35 to	10:00 P.M.	3rd period:	8:35 to	9:45 P.M.

The principal exception to this schedule occurs in rostering laboratories for General Physics and for Chemistry. These exceptions, as well as the detailed, complete class schedule for each course offered, are set forth in the mimeographed flyer on class schedules which each student receives.

Evening classes are scheduled Monday through Saturday morning. A typical student roster of two courses might be optioned by following course offerings on Monday and Wednesday or Tuesday and Thursday evenings.

The academic calendar for the 1970-1971 scholastic year appears on page 7 of this Bulletin. As already noted, specific time listings for individual course offerings in any one semester may be had by applying to the Evening Division Office for the "Roster of Courses."

Change in Course

The student is responsible for following the sequence of courses for the curriculum of his major field of study. If changes are desired, approval must be obtained from the Office of the Dean.

Credit for Off-Campus Courses

Course work taken at other institutions by regularly enrolled students of the Evening Division may not be offered for credit unless the student has had written permission in advance from the Dean to take such courses. It is the responsibility of the student to request a transcript of credit for off-campus courses for inclusion in his record at La Salle College.

Attendance Policy

Students are expected to attend classes regularly. Cumulative or consecutive absences of more than two weeks in any course may be regarded as excessive. Attendance is counted from the first regular class meeting regardless of the time of registration.

The student is responsible for reporting to his instructor the reason for each absence. If an absence can be foreseen, the report should be made before the absence; otherwise, it should be made immediately thereafter. Students who fail to report reasons for absence cannot expect consideration if the number of absences becomes excessive.

A student who, in the judgment of his instructor, has been absent excessively must withdraw from the course.

Withdrawal

After the completion of registration, a student shall be considered to be in attendance unless an official statement of withdrawal is received from him. Ceasing to attend class or submitting a statement of withdrawal to an Instructor does not constitute an official notice of withdrawal.

Students who find it necessary to withdraw from one or more courses are required to submit a signed statement of withdrawal to the Office of the Dean. The withdrawal statement may be made in one of the following ways: the submission of a letter; the completion of a withdrawal form in the Evening Division Office. Unsupported telephoned statements are not acceptable. Regardless of the manner by which a withdrawal statement is made, it must list the course of courses from which the student is withdrawing, give adequate reasons for the withdrawal, and bear the signature of the student.

The date of filing the statement of withdrawal shall be considered, in all cases, the date of actual withdrawal. Previous statements of reasons for absence or non-attendance shall not be a cause for predating a withdrawal.

If a student withdraws before the last date of the allowable withdrawal period, his record for the course will be marked W (withdrawn). The final date for withdrawal is published in the Academic Calendar. If he withdraws after the final date for withdrawal, his record will be marked F (failure) unless his withdrawal has been caused by unusual circumstances and has the approval of the Dean.

A student who withdraws without submitting an official statement of withdrawal shall forfeit the privilege of reentering the Evening Division.

The financial obligations of a student who withdraws are stated on page 35 under the section "Financial Obligations."

Examinations

Examinations are given at any time during the course at the discretion of the instructor, at the mid-term and at the conclusion of the term.

Final examinations are conducted only at the times published in the examination schedule which is issued each term.

No credit will be given for any subject until the final examination has been completed successfully.

Any student who, because of unavoidable absence, is unable to take the final examination as scheduled must file a written request for a special final examination in the Office of the Dean. No special final examination will be administered without the approval of both the instructor and the Dean. Each special final examination is subject to a fee of $5.00. Special examinations during any semester are individually subject to a fee of $2.00. The student must arrange, through the Office of the Dean, to take any special examination. Special examinations are usually scheduled on Friday evenings throughout the semester.

Grades

A permanent record of grade for each course is made only at the end of each term. The final course grade is determined from recitations and examinations during the course and the final examination.

Grades are recorded in alphabetical symbols as follows: A indicates excellent; B indicates superior; C indicates satisfactory work; D indicates a minimum passing grade; F indicates a failure; I indicates an incomplete grade and that certain course assignments, tests, final examination, etc., have not been performed or taken; W indicates that the student withdrew from the course before the end of the allowed withdrawal period.

A separate grading system is used for English 10 (Fundamentals of English Composition) and the Readings Courses (Humanities 11—Readings in the Humanities and Humanities 12—Readings in Urban America.) At the end of these courses, a student receives a P (passed) or F (failed).

Brother Walter J. Paulits, F.S.C., Ph.D.
Dean of the Evening Division

Scholastic Deficiences

Conditions or re-examinations are not given. To remove an incomplete grade, the student must complete the required work under the supervision of his instructor. Incomplete grades must be removed not later than three weeks after the date of the final examinations; otherwise, they become failures. It is the responsibility of the student to arrange for the removal of such grades.

A student whose final grade in a required course is a failure must repeat the course.

Academic Standing

The academic standing of a student is determined by computing a cumulative scholastic index or average of grades by assigning a grade point value to each letter grade according to the following system: A = 4, B = 3, C = 2, D = 1, F = 0, grade points per credit hour. An "A" grade for a four credit hour course equals 16 grade points; a "B" grade for a four credit hour course equals 12 grade points; a "C" grade for a four credit hour course equals 8 grade points; and a "D" grade for a four credit hour course equals 4 grade points. No grade points are given for "F" grades. The cumulative scholastic index or average of grades is equal to the sum of all grade points divided by the total number of credit hours attempted, including hours for which an "F" grade was earned.

To be in good academic standing, a student must have a minimum cumulative scholastic index of 2.00. In addition, he must satisfy the scholastic requirments for his major program of study. (See page 24.) Student records are evaluated for academic standing each year at the end of the spring semester.

Dean's Honor List

The Dean's Honor List is published at the beginning of the fall semester each year.

Those students who have earned a cumulative average of 3.40 are eligible for the Dean's List. In addition, they must have complied with all the regulations of the College and have earned at least 33 credit hours.

An Academic Convocation for Dean's List students is held in the fall semester. At this convocation, honorary degrees are conferred, Dean's List students are recognized, and they, as well as their families have the opportunity to meet informally with the faculty and the administration.

Policy on Academic Probation and Academic Dismissal

The cumulative average is computed by dividing the total number of credit hours attempted into the total number of grade points earned. The number of credit hours attempted must include the hours of failures which have not been removed by subsequently earning passing grades.

A student is on academic probation when his cumulative average is less than:

1. 1.00 at the completion of 15 semester credit hours
2. 1.50 at the completion of 33 semester credit hours
3. 1.75 at the completion of 66 semester credit hours
4. 1.90 at the completion of 99 semester credit hours

A student on academic probation is subject to academic dismissal:

1. When his cumulative average is less than

    A. 1.00 at the completion of 33 semester credit hours

    B. 1.50 at the completion of 66 semester credit hours

    C. 1.75 at the completion of 99 semester credit hours

2. If he remains on academic probation for four successive semesters.

Students on academic probation may take no more than two courses and are recommended to take only one course until the academic probation has been removed.

A course in a major area of subject concentration may be repeated only once.

At the completion of eighty-five semester hours, a student must have an academic index of 2.00 ("C" average) in his major before he will be permitted to accumulate additional semester hours. He may repeat courses for three semesters in order to better his academic index; if, at the end of the three semesters, he has not shown distinct improvement he will be dismissed from the Evening Division.

Honors

The bachelor's degree with honors is conferred on a student who has completed his course requirements at the College with an average of all grades not lower than 3.40 and who has not incurred any academic censure.

The candidate for the bachelor's degree who has earned an average of 3.80 or better in all courses is graduated with the designation *Maxima Cum Laude*.

The candidate who has earned an average between 3.60 and 3.79 is graduated with the distinction *Magna Cum Laude*.

The candidate who has earned an average between 3.40 and 3.59 is graduated with the distinction *Cum Laude*.

Requirements for A Degree

The candidate for a degree must have completed course work equivalent to a minimum of 120 semester hours with a cumulative index of 2.00.

He must have completed a minimum of thirty-six courses.

He must have obtained a "C" average or cumulative index of 2.00 in his major.

He must have fulfilled all course requirements prescribed for him by the Dean of the Evening Division in his major curriculum.

He must have fulfilled the requirements in Philosophy and Theology.[1]

A minimum of twelve terms of collegiate study or its equivalent is required for a degree. The final three terms or 33 semester credit hours must be completed in the Evening Division of La Salle College.

The individual student is personally responsible for filing an Application for Graduation form one year before the date on which he anticipates receiving his degree.

Requirements for A Certificate of Proficiency

The Certificate of Proficiency is granted in the following curricula only: Accounting, General Business, Management, Marketing.

The candidate for a Certificate of Proficiency must have completed course work equivalent to a minimum of 60 semester credit hours.

He must have obtained a "C" average or cumulative index of 2.00 in all courses which are required for the certificate.

He must have fulfilled all course requirements in his major curriculum prescribed for him by the Dean of the Evening Division.

[1] Non-Catholics may substitute electives in Liberal Arts Program for Theology courses.

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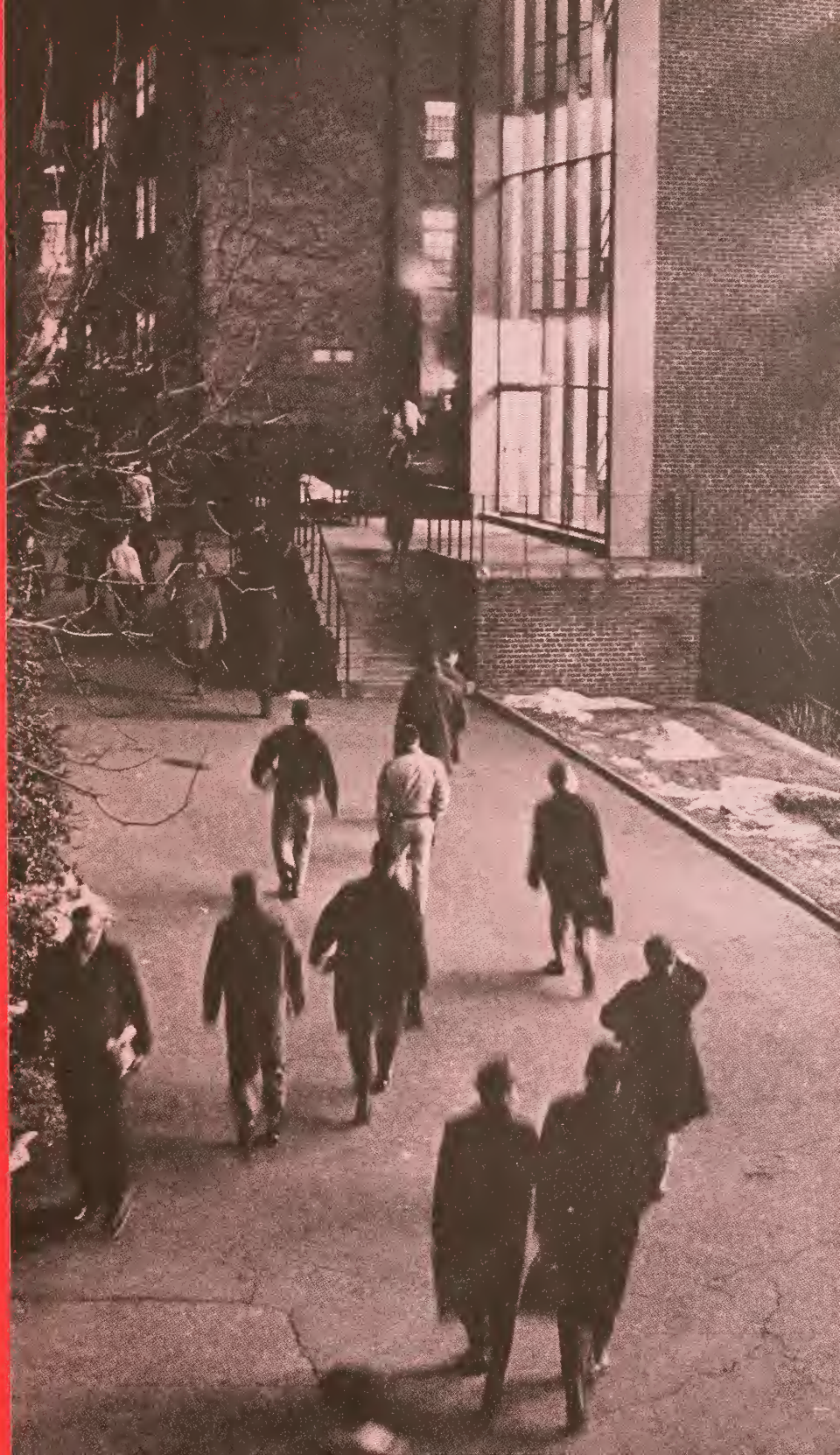
STUDENT PERSONNEL SERVICE

Objectives of the Student Personnel Program

La Salle College, in keeping with the aims and objectives of Christian Education, recognizes that the completeness of higher education demands that the student be provided with the opportunities to develop himself spiritually, morally, intellectually, emotionally, and socially. Therefore, the Student Personnel Program in the Evening Division of La Salle College offers the following:

1. A Counseling Service to assist him in solving the various problems which beset a college student.
2. A program of spiritual activities and spiritual counseling.
3. A student activities program which includes student government, student publications, and extracurricular organizations.
4. A service to help the student find suitable employment according to his needs and the opportunities which are available.
5. A limited program of athletic activities.
6. A Food Service which provides for students who find it more convenient to dine at the campus on class evenings.
7. An Alumni Program to continue the mutual interest which the graduates and the College should have in common.

Counseling

The College maintains a Counseling Center staffed by professionally trained counselors who are available to assist the student in matters pertaining to vocational decisions, personal adjustment and educational planning. The Center renders services in the following areas: aptitude testing and interest inventory; individual counseling and occupational information.

The Counseling Center, located in McShain Hall, is open to Evening Division Students from 6:00 till 9:00 P.M. from Monday through Thursday evening and on Saturday morning by appointment. Students wishing to use the services of the Counseling Center should arrange for an appointment in the Counseling Center.

Academic Counseling

Although academic counseling is centered in the Dean's Office and is directed by the Dean and the Assistant Dean, supplementary counseling is offered in particular curricula. Thus, the following instructors are official counselors for their subject area, and interviews may be arranged by appointment with these instructors:

Accounting .... Mr. Joseph Markmann

Chemistry .... Dr. Robert Preston

English .... Mr. Charles Kelly

General Business .... Mr. John Christie

History .... Mr. Dennis McCarthy

Humanities .... Mr. John Keenan

Management .... Mr. Joseph Crowley

Marketing .... Mr. George Swoyer

Mathematics .... Mr. Edward Nolan

Physics .... Dr. Juan Amodei

Sociology .... Dr. Thomas Coffey

Individual students who have not been called for counseling in their major curriculum may request in the Evening Division Office special appointments for counseling.

Religious Activities

The Chapel of La Salle College provides a convenient center both for personal meditation and for group worship. Its facilities and the services of the College Chaplain are available to the student body at all times.

Holy Mass is regularly offered for Evening Division Students in the Student Chapel. The days and times of these Masses are announced in the Evening Bulletin.

An Evening Mass of the Holy Spirit is celebrated at the beginning of the Fall Term each year.

Graduation ceremonies regularly open with the Baccalaureate Mass during which Evening Division students are invited to receive Holy Communion. The College Chaplains are available for confessions in the College Chapel each Thursday evening before First Friday.

Student Organizations and Activities

Although evening students must devote the major portion of their time to studies, it is hoped that they will participate, to some extent, in student government and in the co-curricular and extracurricular activities which are open to them.

ACCOUNTING ASSOCIATION

This is an organization of students who are majoring in Accounting and who are interested in broadening their knowledge of accounting practices and their relation with business practices in general. The Association brings the members into frequent contact with outstanding men in the field.

ALPHA SIGMA LAMBDA

Alpha Sigma Lambda, a national evening college fraternity for honor students, was inaugurated at La Salle College in December, 1966. The La Salle College Evening Division Chapter, Alpha Delta, is open by invitation to men who have completed over forty semester credits in the La Salle Evening Division and who have an academic index above 3.2. With the objective of recognizing and encouraging scholarship, this Fraternity meets twice each year and includes distinguished scholars among its guest speakers.

CROSS KEYS FRATERNITY

Cross Keys is a student service fraternity. Membership consists of faculty, students, and alumni who have served the interests of the student body and of the College with distinction. The chief purposes of the fraternity are (1) to foster an ambition for intellectual attainment and a desire to serve La Salle College Evening Division and its students; and (2) to study the problems of students in order that student life might be enriched, and promote and stimulate progress and the best interests of La Salle College.

THE HUMANITIES CLUB

With the objective of sharing cultural experiences, The Humanities Club is comprised of students majoring in the liberal arts area. Activities sponsored by this club include lecture formus, discussions, and expeditions to metropolitan offerings of a cultural nature.

THE MARKETING ASSOCIATION

The two-fold purpose of the club is to foster an interest in the field of marketing and to promote through discussion the application of ethical principles in the field of marketing.

THE SOCIETY FOR THE ADVANCEMENT OF MANAGEMENT

This is a student chapter of a national society of professional men interested in management principles. It aims to enhance the application of scientific management principles in industry and to foster the development of future managerial talent.

THE STUDENT BRANCH OF THE INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS

The Institute of Electrical and Electronic Engineers is a national professional organization. Its aims include the advancement of the theory and practice of radio and allied engineering and of the related arts and sciences. Students registered in the Electronics Physics curriculum as degree candidates are eligible for membership in the Student Branch of IEEE.

THE STUDENT CONGRESS

The Student Congress of the La Salle College Evening Division acts as the official representative of the student body in its relations with the administration and faculty of the College in matters related to extra-curricular activities and student welfare.

The Student Congress consists of the elected representatives of the various course sections, who vote on all matters brought before the Congress.

In general, its purpose is to cultivate, promote and manage all social and other affairs conducted for the benefit of the entire student body; to promote the general welfare of the students; and to act as an advisory body between the students and the administration.

THE WIVES' CLUB

The purpose of this club is to bring together wives of Evening Division students, so that a better understanding of the College community within the family may be enhanced. The Wives' Club also sponsors socials and concerns itself with projects of a philanthropic nature.

Student Publications

LA SALLE COLLEGIAN

The Evening Collegian, the student newspaper, serves as a vehicle for disseminating views and news of interest to the entire student body. The Evening Collegian is devoted exclusively to the activities of the Evening Division Students.

THE EXPLORER

The *Explorer* is the yearbook published for the members of each graduating class. The book serves as a record of college life and activities.

The Placement Bureau

The Placement Bureau provides an information service for students seeking placement with industrial and business concerns. The office, located in the College Union Building, Room 205, is open from 9 A.M. to 5 P.M., Monday through Friday, and from 5 until 7:30 P.M. Monday through Thursday evenings. In cooperation with the Counseling Center, the Bureau's staff advises students on employment opportunities.

Intercollegiate and Intramural Athletics

Although students of the Evening Division are not permitted to compete in the various intercollegiate sports, they are encouraged to support these activities by attendance at contests. They are accorded all the privileges of admission granted the students of the Day Session.

Within the limitations of available time, the students of the Evening Division may compete in intramural athletics.

The College Cafeteria

A student cafeteria is operated in the College Union Building for the convenience of the students of the Evening Division. Students will be served from 5 to 7 oclock on Monday through Thursday evenings.

The Snack Bar—an annex to the cafeteria—is open on class evenings until 11:00 P.M. for the convenience of Evening Division students.

The Campus Store

The College maintains a Campus Store where books, supplies and other items of special interest to college students may be purchased. The Store, located in the College Union Building, is open from 9:00 A.M. until 8:45 P.M. on Monday through Thursday, and from 9:00 A.M. until 5:00 P.M. on Friday.

The Library

The David L. Lawrence Memorial Library, located at Olney Avenue at 19th Street, houses a collection of approximately 143,000 books and has files of about 600 periodicals. About 12,000 new volumes are added each year to keep the collection up-to-date and adapted to the needs of the student.

An open stack system encourages browsing, and a liberal renewal policy applies to the usual two week loan to encourage maximum use of the books. The library is open more than 70 hours a week, and competent readers' advisers enable students through personal guidance to become proficient in gathering information from indexes, bibliographies, loose leaf service and other bibliographical tools.

When classes are in session the College Library is open Monday through Thursday evening until 11:00 P.M., Friday evening until 9:00 P.M., Saturday from 10:00 A.M. until 4:00 P.M., and on Sunday from 12:30 P.M. until 5:30 P.M.

The Alumni Association

The Alumni Association seeks to promote the welfare of La Salle College and to encourage good fellowship among alumni. To achieve these ends, the Association works principally through the College Alumni Office and class organization.

The Alumni Association is controlled and directed by the alumni in cooperation with the College administration. The governing board is called the Alumni Board of Directors. It consists of representatives from each graduating class, and a Director of the Association appointed by the College.

Alumni are encouraged to take an active part in promoting the attendance of worthy and talented students; to take an intelligent interest in the academic affairs of the College; to support the College financially to the best of their abilitiy; and to foster the growth of the College. Alumni are also encouraged to assist the Placement Bureau by calling to its attention job opportunities for La Salle students.

La Salle College reserves the right to amend or add to the charges listed below at any time and to make such changes applicable to students presently enrolled as well as to new students.

Application Fee

An application fee of $5.00 is charged and due at the time of filing the application for admission. This fee covers the cost of administering the entrance examinations or the evaluation of advanced standing credit. No refund will be made on this fee, regardless of the decision on admission.

Tuition

The tuition charge is based upon the number of semester credit hours taken in any term. The charge is $38.00 per semester credit hour.

The total tuition per term is due and payable at the time of registration.

Incidental Fees

SCIENCE LABORATORY FEE

A science laboratory fee of $5.00 is charged for each course in chemistry and physics involving laboratory instruction. This fee is used to defray the cost of laboratory supplies such as chemicals, glassware, and other laboratory equipment.

GRADUATION FEE

A graduation fee of $35.00 is payable before graduation by each candidate for a degree. This fee is to cover the cost of the diploma, the use of cap and gown, the Senior yearbook, The *Explorer,* and all other expenses incidental to commencement exercises.

A graduation fee of $20.00 is payable by each candidate for a Certificate of Proficiency.

Penalty Fees

CHANGE OF COURSE

After registration has been completed, a penalty fee of $5.00 is charged for each course change. All course changes and roster revisions must be made on or before the final date for change of roster shown in the Academic Calendar.

LATE REGISTRATION

Students are required to complete their course registration within the period set forth in the Academic Calendar. Late registration is permitted only with the permission of the Dean and upon the payment of a fee of $5.00.

LATE EXAMINATION

Students who are absent for examinations during a semester and who then have the examination (s) administered through the Dean's Office will be required to pay a $2.00 late examination fee.

SPECIAL FINAL EXAMINATION

Students are expected to take their final examinations during the regular examination period. If permission is granted for a special final examination, the payment of a fee of $5.00 for each examination is required

Estimated Average Charges

The charge for a two course six semester hour program of studies per semester is $228.00; for a two course seven semester hour program of studies per semester, $266.00; two courses, eight hours, $304.00. This charge does not include the cost of books and supplies. These items average about $25.00 per semester.

Financial Arrangements

Payment of tuition is part of the registration procedure. Approval for admission into class will not be granted until all financial matters have been settled.

To expedite registration, payment by check, or money order, is preferred. Where possible, the amount of cash, check, or money order, should be prepared in the exact amount of the tuition charge.

In lieu of payment by cash, check, or money order, tuition may be paid through the Bank Loan Plan or the National Defense Student Loan Program (NDEA).

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When the Bank Loan Plan or the NDEA Grant are used, application must be obtained in advance of registration. The completed NDEA application must be presented for approval before the time of registration.

Where tuition is paid in a combination of cash and Bank Loan, both the cash and Bank Loan Application must be presented at the time of registration.

Students receiving financial assistance from their employers are required to meet their financial obligations to the College in the same manner as all other students.

Students receiving Veterans Educational benefits are responsible for the entire amount of tuition at the time of registration.

LA SALLE COLLEGE BANK LOAN PLAN

A Bank Loan Plan is provided by the College for those students who prefer to pay their tuition charges on a monthly basis. These students are required to enter into a contract whereby they agree to pay the full amount of their tuition in five equal installments at the end of each month of the college term. A $7.00 service charge is included in the prorated repayment.

Complete information regarding the Bank Loan Plan may be obtained at the Bursar's Office of the College. No other plan for paying tuition on a deferred basis will be acceptable.

Students who have not paid their tuition at the time of registration, or who have not presented a Bank Loan Application in lieu thereof, will not be included on the class roll until such payment has been accomplished.

NATIONAL DEFENSE STUDENT LOAN PROGRAM

La Salle College Evening Division participates with the United States Government in providing a limited fund for the purpose of making student loans under the provisions of the National Defense Education Act.

To be eligible for the NDEA Loan, an Evening Division student must:

1) Have completed at least six semester hours as a regularly matriculated degree candidate in the Evening Division;
2) Be in good standing academically in the Evening Division:
3) Pursue a minimum of eight semester hours of study during the semester for which the loan is granted.

The student may borrow up to five hundred dollars a year for tuition only. The repayment period begins 9 months after the student completes his course work and extends over ten years. Interest at 3% per year begins to accrue at the beginning of the repayment period. During periods of service in the Armed Forces or the Peace Corps (up to three years), no interest will accrue and no repayment is required. The borrower's obligation to repay his loan is to be cancelled in the event of his death or permanent and total disability. If a borrower becomes a full-time teacher in a nonprofit school or college, a maximum of 50% of the unpaid balance (plus interest) may be cancelled at the rate of 10% for each year of teaching

Information and application forms may be obtained from Francis B. McKeough, Financial Aid Officer. The Financial Aid Office is located at 1801 W. Olney Ave.; Philadelphia, Pa. 19141.

FINANCIAL OBLIGATIONS

At the time of registration, each term, the student contracts for the full amount of his tuition regardless of the arrangement for payment. If a student who elects to pay his tuition through the College Bank Loan Plan withdraws from the College, or from one or more courses before the end of the term, he is liable for the full amount of the tuition, subject to the provisions of the "Refund or Remission of Tuition Policy."

Refund or Remission of Tuition Policy

For reasons which the College shall consider valid and within the time limits stated below, a student who withdraws before the end of the term may receive a refund or a remission of part of the unpaid balance of his tuition. Application and penalty fees are not refundable.

The date of withdrawal as shown on the official withdrawal notice, not the last date of attendance as claimed by the student, will serve as the basis for computing any refund or remission granted the student.

When a student who has subscribed to the Bank Loan Plan is granted a tuition adjustment under the "Refund or Remission of Tuition Policy," the College will refund the unearned tuition directly to the Bank. The Bank, in turn, will credit the student's account and notify him accordingly. With the exception of the finance charges on the amount of the loan actually used, the student will not be required to pay the Bank more than he would be required to pay the College.

REFUND OR REMISSION SCHEDULE

Time of Withdrawal	Refund or Remission
During the first week	90%
During the second week	80
During the third week	70
During the fourth week	60
During the fifth week	50
During the sixth week	40
During the seventh week	30
During the eighth week	20
After the eighth week	None

FINANCIAL DELINQUENCY

A student who is financially delinquent or against whom the College holds a record of indebtedness shall forfeit the privilege of attending class, and the College shall have the right to withhold report of grades, transcript of record, and diploma of graduation until such indebtedness is paid. A student who is financially delinquent at the close of a term will not be permitted to register for a succeeding term unless his account is settled.

PROGRAMS OF STUDY

The Programs of Study in the Evening Division are outlined in the following section according to the general areas of Liberal Arts, Business Administration, and Science and the major curricula under each of these areas. The required courses for each curriculum are listed by title in the curricular outline for each program of study. These courses are considered basic for the purpose of the program.

Candidates for the Bachelor of Arts or Bachelor of Science degree or for the Certificate of Proficiency are required to take the courses in the sequence as outlined in the various curricula. Each student will be given a schedule of courses at the time of registration. Students are encouraged to consult with the Dean of the Evening Division or his assistants for aid in the choice of a major field, elective courses, or any academic problem which may arise.

Degree Programs

The Bachelor of Arts and Bachelor of Science curricula are intended for those students who are properly qualified for admission to a degree program and who desire a course of study fulfilling the requirements for a degree. Programs of study are available in the following fields:

BACHELOR OF ARTS CURRICULA

Economics	History Education
English	Humanities
English Education	Sociology
History	Sociology—Criminal Justice

BACHELOR OF SCIENCE CURRICULA

Science:	Applied Mathematics	Chemistry	Electronic Physics
Business:	Accounting	General Business	
	Management	Marketing	

Minimum requirements for the bachelor's degree are the completion of thirty-six courses and 120 semester credits with a 2.00 academic index.

CERTIFICATE OF PROFICIENCY CURRICULA

The Certificate of Proficiency programs are intended for students who wish to spend not more than three or four years in the Evening Division and who desire a course of study that will assist them in their particular field of interest.

The course requirements for the certificate programs are marked with an asterisk in the curricular outlines which follow in the next section of this Bulletin.

Programs of study leading to the Certificate of Proficiency are available in the Business Administration curricula only.

Preparation for Teaching

The successful completion of the teacher preparation program leads to eligibility for a provisional certificate to teach in the secondary schools of Pennsylvania and provides a foundation for those desiring to go on to further studies in the field. A student planning to teach in a state other than Pennsylvania should acquaint himself with the certification requirements of that state. Transfer students must consult with the Education Department before entrance into the program.

For specific information on the teacher preparation program see pages 41, 43, 64, 65.
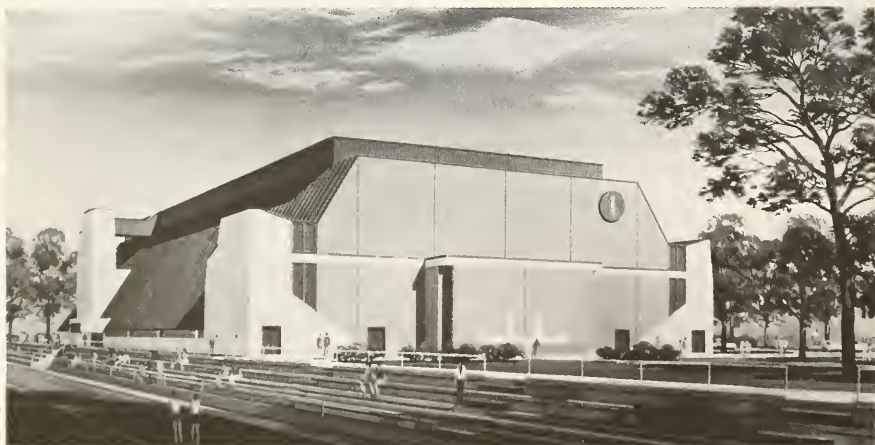
BACHELOR OF ARTS PROGRAM

ECONOMICS

Credits

Eng.	11	College Composition—Part 1	3
His.		One of three introductory surveys (His. 11, 13, or 15)	3
Psy.	3	General Psychology	4
Eng.	12	College Composition—Part 2	3
His.		Continuation of introductory survey (His. 12, 14, or 16)	3
Phl.	11	Logic	3

Second Year

Eng.	21	Approach to Literature—Part 1	3
Mth.	15	Survey of Mathematics—Part 1	4
Eco.	1	Principles of Economics—Part 1	3
Eng.	22	Approach to Literature—Part 2	3
Mth.	16	Survey of Mathematics—Part 2	4
Eco.	2	Principles of Economics—Part 2	3

Third Year

Thl.		+ Introduction to Theology (Thl. 11, 14, or 18)	3
Sta.	15	Business Statistics—Part 1	4
Eco.	8	Mathematical Economics	3
Eng.	23	Oral Composition	2
Sta.	21	Business Statistics—Part 2	4
Eco.	6	Labor Problems in America	4

Fourth Year

P.S.		Science of Government (P.S. 1) or Political Geography (P.S.3)	4
		General Elective	3
Eco.	10	Microeconomic Theory	4
Thl.		+ Special Studies in Theology (Thl. 21, 25, or 35)	3
Eco.	11	Macroeconomic Theory	4
		General Elective	4

Fifth Year

Phl.	12	Contemporary Philosophies of Man	3
		*Language	3
Eco.	9	Monetary Theory	3
		General Elective	4
		*Language	3
Eco.	3	American Economic History	4

Sixth Year

Phl.	13	Principles and Problems of Ethics	3
		*Language	3
Eco.	4	History of Economic Thought	3
Eco.	5	Contemporary Economic Systems	3
		*Language	3
		General Elective	4

+ Non-Catholics may substitute electives in liberal arts program for Theology courses. General electives may be optioned from any subject area, provided prerequisites are fulfilled.

* By permission of the Dean or Assistant Dean, Mathematics or Science courses may be substituted for this requirement.

ENGLISH

First Year

			Credits
Eng.	11	College Composition—Part 1	3
His.		One of three introductory surveys (His. 11, 13, or 15)	3
Psy.	3	General Psychology	4
Eng.	12	College Composition—Part 2	3
His.		Continuation of introductory survey (His. 12, 14, or 16)	3
Phl.	11	Logic	3

Second Year

Eng.	21	Approach to Literature—Part 1	3
		Social Science Option	4
		Language	3
Eng.	22	Approach to Literature—Part 2	3
Thl.		+ Introduction to Theology (Thl. 11, 14, or 18)	3
		Language	3

Third Year

Eng.	34	Survey of English Literature—Part 1	4
Phl.	12	Contemporary Philosophies of Man	3
		Language	3
Eng.	35	Survey of English Literature—Part 2	4
Thl.		+ Special Studies in Theology (Thl. 21, 25, or 35)	3
		Language	3

Fourth Year

Phl.	13	Principles and Problems of Ethics	3
Eng.	36	Nineteenth Century American Literature	4
		** Controlled Elective in English	3
		General Elective	3
Eng.	49	History of the English Language	4
		General Elective	4

Fifth Year

Eng.	37	Shakespeare	4
		** Controlled Elective in English	3
		Elective in Literature	4
Eng.	38	British Novel	4
		Elective in Literature	3
		General Elective	3

Sixth Year

Eng.	43	Readings in Poetry	4
		** Controlled Elective in English	3
		General Elective	3
		Elective in Literature	3
		Elective in Literature	4
		General Elective	

+ Non-Catholics may substitute electives in liberal arts program for Theology courses. General electives may be optioned from any subject area, provided prerequisites are fulfilled.

** Selected in consultation with the Department Chairman.

ENGLISH-EDUCATION

First Year

Credits

Eng.	11	College Composition—Part 1	3
His.		One of three introductory surveys (His. 11, 13, or 15)	3
Psy.	3	General Psychology	4
Eng.	12	College Composition—Part 2	3
His.		Continuation of introductory survey (His. 12, 14, or 16)	3
Phl.	11	Logic	3

Second Year

Eng.	21	Approach to Literature—Part 1	3
		Social Science Option	4
		Language	3
Eng.	22	Approach to Literature—Part 2	3
Thl.		+ Introduction to Theology (Thl. 11, 14, or 18)	3
		Language	3

Third Year

Eng.	34	Survey of English Literature—Part 1	4
Phl.	12	Contemporary Philosophies of Man	3
		Language	3
Eng.	35	Survey of English Literature—Part 2	4
Thl.		+ Special Studies in Theology (Thl. 21, 25, or 35)	3
		Language	3

Fourth Year

Phl.	13	Principles and Problems of Ethics	3
Eng.	36	Nineteenth Century American Literature	4
Edu.	11	Introduction to Education	3
		General Elective	3
Eng.	49	History of the English Language	4
Edu.	12	Educational Psychology	3

Fifth Year

Eng.	37	Shakespeare	4
Eng.	50	Advanced Writing	3
Edu.	13	General Methods	3
Eng.	38	British Novel	4
Eng.	23	Oral Composition	2
		**Controlled Elective	3

Sixth Year

Eng.	52	Literary Theory and Criticism	4
Edu.	14	Special Methods	3
		General Elective	3
Eng.	43	Readings in Poetry	4
Edu.	19-20	Practicum in Student Teaching	6
		General Elective	

+ Non-Catholics may substitute electives in liberal arts program for Theology courses. General electives may be optioned from any subject area, provided prerequisites are fulfilled.

**Selected in consultation with the Department Chairman.

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HISTORY

First Year

			Credits
Eng.	11	College Composition—Part 1	3
His.		One of three introductory surveys (His. 11, 13, or 15)	3
Psy.	3	General Psychology	4
Eng.	12	College Composition—Part 2	3
His.		Continuation of introductory survey (His. 12, 14, or 16)	3
Phl.	11	Logic	3

Second Year

Eng.	21	Approach to Literature—Part 1	3
		**Controlled Elective in History	4
		Language	3
Eng.	22	Approach to Literature—Part 2	3
		**Controlled Elective in History	4
		Language	3

Third Year

		**Controlled Elective in History	4
		Language	3
Thl.		+Introduction to Theology (Thl. 11, 14, or 18)	3
		**Controlled Elective in History	4
Thl.		+Special Studies in Theology (Thl. 21, 25, or 35)	3
		Language	3

Fourth Year

		Elective in History	4
P.S.	1	The Science of Government	4
Eco.	1	Principles of Economics—Part I	3
		Elective in Liberal Arts	3
P.S.	3	Political Geography	4
Eco.	2	Principles of Economics—Part 2	3

Fifth Year

Phl.	12	Contemporary Philosophies of Man	3
		Elective in History	4
		Elective in Liberal Arts	3
Eng.	23	Oral Composition	2
		Elective in History	4
		Elective in Liberal Arts	4

Sixth Year

		General Elective	3
		Elective in History	4
Phl.	13	Principles and Problems of Ethics	3
		Elective in Liberal Arts	4
		General Elective	3
		General Elective	3

+ Non-Catholics may substitute electives in liberal arts program for Theology courses. General electives may be optioned from any subject area, provided prerequisites are fulfilled.

** Selected in consultation with the Department Chairman.

HISTORY-EDUCATION

First Year

Credits

Eng.	11	College Composition—Part 1	3
His.	15	History of the United States—Part 1	3
Psy.	3	General Psychology	4
Eng.	12	College Composition—Part 2	3
His.	16	History of the United States—Part 2	3
Phl.	11	Logic	3

Second Year

Eng.	21	Approach to Literature—Part 1	3
His.	11	The Non-Western World Since 1500—Part 1	3
		Language	3
Eng.	22	Approach to Literature—Part 2	3
His.	12	The Non-Western World Since 1500—Part 2	3
		Language	3

Third Year

		** Controlled Elective in History	4
Thl.		+ Introduction to Theology (Thl. 11, 14, or 18)	3
		Language	3
		**Controlled Elective in History	4
Thl.		+ Special Studies in Theology (Thl. 21, 25, or 35)	3
		Language	3

Fourth Year

Edu.	11	Introduction to Education	3
P.S.	1	The Science of Government	4
Eco.	1	Principles of Economics—Part 1	3
Soc.	11	Introductory Sociology	4
P.S.	3	Political Geography	4
Eco.	2	Principles of Economics—Part 2	3

Fifth Year

Phl.	12	Contemporary Philosophies of Man	3
		Elective in History	4
Edu.	12	Educational Psychology	3
Eng.	23	Oral Composition	2
Edu.	13	General Methods	3
		General Elective	4

Sixth Year

Edu.	14	Special Methods	3
		Elective in Social Sciences	4
Phl.	13	Principles and Problems of Ethics	3
Edu.	19-20	Practicum in Student Teaching	6
		Elective in History	4
Hum.		Readings; Hum. 21, 22, or 23	3

+ Non-Catholics may substitute electives in liberal arts program for Theology courses. General electives may be optioned from any subject area, provided prerequisites are fulfilled.

** Selected in consultation with the Department Chairman.

HUMANITIES

First Year

Eng.	11	College Composition—Part 1	3
His.		One of three introductory surveys (His. 11, 13, or 15)	3
Psy.	3	General Psychology	4
Eng.	12	College Composition—Part 2	3
His.		Continuation of introductory survey (His. 12, 14, or 16)	3
Phl.	11	Logic	3

Second Year

Eco.	1	Principles of Economics—Part 1	3
		Language	3
Sci.		Survey of Mathematics—Part 1 (Math. 15) or Introduction to Science—Part 1 (Hum. 30)	4
Eco.	2	Principles of Economics—Part 2	3
		Language	3
Sci.		Survey of Mathematics—Part 2 (Math. 16) or Introduction to Science—Part 2 (Hum. 31)	4

Third Year

Eng.	21	Approach to Literature—Part 1	3
		Language	3
Phl.	12	Contemporary Philosophies of Man	3
Eng.	22	Approach to Literature—Part 2	3
		Language	3
		General Elective	4

Fourth Year

Thl.		+Introduction to Theology (Thl. 11, 14, or 18)	3
Hum.	21	Elements of Art	3
Hum.	40	Anthropology	4
Hum.		Introd. to Music (Hum. 22); Hist. of Opera (Hum. 23)	3
		Social Science Elective	4
		General Elective	3

Fifth Year

Eng.		English Elective	4
		General Elective	3
Psy.		Psychology Elective	4
Hum.	12	Readings: Urban America	3
		General Elective	4
		General Elective	4

Sixth Year

Thl.		+Special Studies in Theology (Thl. 21, 25, or 35)	3
Phl.	13	Principles and Problems of Ethics	3
		General Elective	4
Phl.		Philosophy Elective	3
		General Elective	3
		General Elective	4

+ Non-Catholics may substitute liberal arts electives for Theology. General Electives may be optioned from any subject area, provided prerequisites are fulfilled.

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GENERAL SOCIOLOGY

First Year   Credits

Eng.	11	College Composition—Part I	3
Soc.	11	Introduction to Sociology	4
His.	11,13,15	Introductory Survey—Part I	3
Eng.	12	College Composition—Part II	3
Phl.	11	Logic	3
Soc.	13	Social Deviancy and Social Disorganization	3

Second Year

Eng.	21	Approach to Literature—Part I	3
Soc.	16	Criminology	3
Psy.	3	General Psychology	4
His.	12,14,16	Introductory Survey—Part II	3
Eng.	22	Approach to Literature—Part II	3
Soc.	14	Marriage and the Family	4

Third Year

Thl.	11,14,18+	Intro. to Theology	3
Soc.	19	Minorities	3
Mth.	15	Survey of Math—Part I	4
Psy.	7	Social Psychology	3
Mth.	16	Survey of Math—Part II	4
		General Elective	3

Fourth Year

Psy.	4	Abnormal Psychology	3
Sta.	15	Business Stat.—Part I	4
Eco.	1	Principles of Economics	3
Soc.	18	Urban Sociology	3
Eco.	2	Principles of Economics—Part II	3
Sta.	21	Business Stat.—Part II	4

Fifth Year

Thl.	21,25,35+	Special Studies in Theology	3
Phl.	12	Contemporary Philosophies of Man	3
		General Elective	4
Mgt.	26	Intro. to Integrated Data Processing	4
Soc.	47	Research Methods	3
		General Elective	4

Sixth Year

Phl.	13	Principles and Problems of Ethics	3
Soc.	26	Sociological Theory	3
Soc.	50	Independent Study in Sociology	4
Soc.	30	Social Stratification	3
Soc.	31	Independent Study in Sociological Theory	4
		General Elective	3

+ Non-Catholics may substitute liberal arts electives for Theology. General Electives may be optioned from any subject area, provided prerequisites are fulfilled.

SOCIOLOGY-CRIMINAL JUSTICE

		First Year	Credits
Eng.	11	* College Composition—Part I	3
Soc.	11	* Introduction to Sociology	4
His.	11,13,15	Introductory Survey—Part I	3
Eng.	12	* College Composition—Part II	3
Phl.	11	* Logic	3
Soc.	10	* Institute in Criminal Justice	3

Second Year

Eng.	21	Approach to Literature—Part I	3
Soc.	16	* Criminology	3
Psy.	3	* General Psychology	4
His.	12,14,16	Introductory Survey—Part II	3
Eng.	22	Approach to Literature—Part II	3
Soc.	17	* Penology	3

Third Year

Thl.	11,14,18+	Introduction to Theology	3
Soc.	19	* Minorities	3
Mth.	15	Survey of Math—Part I	4
Psy.	7	Social Psychology	3
Mth.	16	Survey of Math—Part II	4
		* General Elective	4

Fourth Year

Psy.	4	Abnormal Psychology	3
Sta.	15	Business Stat.—Part I	4
Soc.	15	* Juvenile Delinquency	3
Soc.	18	Urban	3
Psy.	5	Child and Adolescent Psychology	4
Sta.	21	Business Stat.—Part II	4

Fifth Year

Thl.	21,25,35+	Special Studies in Theology	3
Phl.	12	Contemporary Philosophies of Man	3
Soc.	13	* Social Deviancy and Social Disorganization	3
Mgt.	26	Introduction to Integrated Data Processing	4
Soc.	47	Research Methods	3
His.	29	Black Experience in America	4

Sixth Year

Phl.	13	Principles and Problems of Ethics	3
Soc.	26	Sociological Theory	3
Soc.	35	Criminal Justice Counseling—Part I	4
Psy.	8	Personality Dynamics	3
Soc.	36	Criminal Justice Counseling—Part II	4
Soc.	52	Independent Study in Criminal Justice	3

+ Non-Catholics may subsitiue electives in liberal arts program for Theology courses. General electives may be optioned from any subject area, provided prerequisites are fulfilled.

* Courses required for the certificate of Proficiency in Criminal Justice.

BACHELOR OF SCIENCE PROGRAM

ACCOUNTING

Credits

Eng.	11	*College Composition—Part 1	3
Acc.	1	*Principles of Accounting—Part 1	4
Mgt.	10	*Introduction to Management	4
Eng.	12	*College Composition—Part 2	3
Acc.	2	*Principles of Accounting—Part 2	4
B.L.		* The Legal Environ. Bus.; Law of Contracts	4

Second Year

Acc.	14	*Intermediate Accounting Theory—Part 1	4
Eco.	1	Principles of Economics—Part 1	3
Mth.	15	Survey of Mathematics—Part 1	4
Acc.	24	*Intermediate Accounting Theory—Part 2	4
Eco.	2	Principles of Economics—Part 2	3
Mth.	16	Survey of Mathematics—Part 2	4

Third Year

Thl		+*Introduction to Theology (Thl. 11, 14, or 18)	3
Acc.	3	*Elementary Cost Accounting	4
Fin.	1	Money and Banking	4
Eng.	23	*Oral Composition	2
Acc.	5	*Auditing	4
Phl.	11	*Logic	3

Fourth Year

Eng.	21	Approach to Literature—Part 1	3
Acc.	8	*Individual Federal Income Taxes	4
		General Elective	3
Phl.	12	Contemporary Philosophies of Man	3
Acc.	7	Advanced Accounting Theory	4
		General Elective	3

Fifth Year

Eng.	22	Approach to Literature—Part 2	3
Thl.		+ Special Studies in Theology (Thl. 21, 25, or 35)	3
		** Controlled Elective	3
Phl.	13	Principles and Problems of Ethics	3
		General Elective	4
		General Elective	3

Sixth Year

Soc.	12	Industrial Sociology	3
His		One of three introductory surveys (His. 11, 13, or 15)	3
		General Elective	4
His		Continuation of introductory survey (His. 12, 14, or 16)	3
		General Elective	3
		General Elective	

+ Non-Catholics may substitute electives in liberal arts program for Theology courses. General electives may be optioned from any subject area, provided prerequisites are fulfilled.

* Courses required for the Certificate of Proficiency in Accounting.
** Selected in consultation with the Department Chairman.

GENERAL BUSINESS

First Year

			Credits
Eng.	11	*College Composition—Part 1	3
Acc.	1	*Principles of Accounting—Part 1	4
Mgt.	10	*Introduction to Management	4
Eng.	12	*College Composition—Part 2	3
Acc.	2	*Principles of Accounting—Part 2	4
B.L.		*The Legal Environment of Business (B.L.10) or Law of Contracts (B.L.11)	4

Second Year

Mth.	15	Survey of Mathematics—Part 1	4
Ins.	1	*Principles of Insurance	4
Eco.	1	*Principles of Economics—Part 1	3
Mth.	16	Survey of Mathematics—Part 2	4
Mrk.	1	*Principles of Marketing	4
Eco.	2	*Principles of Economics—Part 2	3

Third Year

Thl.		*+Introduction to Theology (Thl. 11, 14, or 18)	3
Fin.	1	*Money and Banking	4
Eng.	23	*Oral Composition	2
His.		One of three introductory surveys (His. 11, 13, or 15)	3
Phl.	11	*Logic	3
		Related Elective	4

Fourth Year

Thl.		+Special Studies in Theology (Thl. 21, 25, or 35)	3
His.		Continuation of introductory survey (His. 12, 14, or 16)	3
		General Elective	4
Phl.	12	Contemporary Philosophies of Man	3
		Related Elective	4
		General Elective	3

Fifth Year

Eng.	21	Approach to Literature—Part 1	3
Phl.	13	Principles and Problems of Ethics	3
		Related Elective	4
		General Elective	3
		General Elective	3
Sta.	15	Business Statistics—Part 1	4

Sixth Year

Eng.	22	Approach to Literature—Part 2	3
Sta.	21	Business Statistics—Part 2	4
		General Elective	3
Soc.	12	Industrial Sociology	3
		Related Elective	4
		General Elective	

+ Non-Catholics may substitute electives in liberal arts program for Theology courses. General electives may be optioned from any subject area, provided prerequisites are fulfilled.

* Courses required for the Certificate of Proficiency in General Business.

MANAGEMENT

General Management

First Year			Credits
Eng.	11	*College Composition—Part 1	3
Acc.	1	*Principles of Accounting—Part 1	4
Psy.	2	*Personnel Psychology	4
Eng.	12	*College Composition—Part 2	3
Acc.	2	*Principles of Accounting—Part 2	4
B.L.		*The Legal Environment of Business (B.L.10) or Law of Contracts (B.L.11)	4

Second Year

Fin.	1	Money and Banking	4
Eco.	1	Principles of Economics—Part 1	3
Mth.	15	Survey of Mathematics—Part 1	4
Mrk.	1	Principles of Marketing	4
Eco.	2	Principles of Economics—Part 2	3
Mth.	16	Survey of Mathematics—Part 2	4

Third Year

Mgt.	13	*Personnel Administration	4
Sta.	15	*Business Statistics—Part 1	4
Thl.		*+Introduction to Theology (Thl. 11, 14, or 18)	3
Sta.	21	*Business Statistics—Part 2	4
Mgt.	20	*Industrial Management—Part 1	4
Phl.	11	*Logic	3

Fourth Year

Mgt.	21	*Industrial Management—Part 2	4
Eng.	23	*Oral Composition	2
His.		One of three introductory surveys (His. 11, 13, or 15)	3
Phl.	12	Contemporary Philosophies of Man	3
His.		Continuation of introductory survey (His. 12, 14, or 16)	3
Mgt.	22	Systems and Procedures	4

Fifth Year

Eng.	21	Approach to Literature—Part 1	3
Thl.		+Special Studies in Theology (Thl. 21, 25, or 35)	3
Mgt.	26	Introduction to Electronic Data Processing	4
Eng.	22	Approach to Literature—Part 2	3
Soc.	12	Industrial Sociology	3
		General Elective	3

Sixth Year

Mgt.	40	*Corporate Simulation, Strategies and Decision Making—Part 1	4
Phl.	13	Principles and Problems of Ethics	3
		General Elective	3
Mgt.	41	*Corporate Simulation, Strategies and Decision Making—Part 2	4
Mgt.	55	Quantitative Methods in Management	4
		General Elective	

+ Non-Catholics may substitute electives in liberal arts program for Theology courses. General electives may be optioned from any subject area, provided prerequisites are fulfilled.

* Courses required for the certificate of Proficiency in General Management.

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MANAGEMENT
Production Management
First Year

			Credits
Eng.	11	*College Composition—Part 1	3
Acc.	1	*Principles of Accounting—Part 1	4
Psy.	2	*Personnel Psychology	4
Eng.	12	*College Composition—Part 2	3
Acc.	2	*Principles of Accounting—Part 2	4
B.L.		The Legal Environment of Business (B.L. 10) or Law of Contracts (B.L. 11)	4

Second Year

Fin.	1	Money and Banking	4
Eco.	1	Principles of Economics—Part 1	3
Mth.	15	Survey of Mathematics—Part 1	4
Mrk.	1	Principles of Marketing ....)	4
Eco.	2	Principles of Economics—Part 2	3
Mth.	16	Survey of Mathematics—Part 2	4

Third Year

Mgt.	13	*Personnel Administration	4
Sta.	15	*Business Statistics—Part 1	4
Thl.		*+Introduction to Theology (Thl. 11, 14, or 18)	3
Sta.	21	*Business Statistics—Part 2	4
Mgt.	20	*Industrial Management—Part 1	4
Phl.	11	*Logic	3

Fourth Year

Mgt.	21	*Industrial Management—Part 2	4
Eng.	23	*Oral Composition	2
His.		One of three introductory surveys (His. 11, 13, or 15)	3
Phl.	12	Contemporary Philosophies of Man	3
Mgt.	22	Systems and Procedures	4

Fifth Year

Eng.	21	Approach to Literature—Part 1	3
Thl.		+Special Studies in Theology (Thl. 21, 25, or 35)	3
Mgt.	26	Introduction to Electronic Data Processing	4
Eng.	22	Approach to Literature—Part 2	3
Soc.	12	Industrial Sociology	3
		General Elective	3

Sixth Year

Mgt.	40	*Corporate Simulation, Strategies and Decision Making (Part 1)	4
Phl.	13	Principles and Problems of Ethics	3
		General Elective	3
Mgt.	41	*Corporate Simulation, Strategies and Decision Making (Part 2)	4
		General Elective	3
		General Elective	

+ Non-Catholics may substitute electives in liberal arts program for Theology courses. General electives may be optioned from any subject area, provided prerequisites are fulfilled.

* Courses required for the Certificate of Proficiency in Production Management.

MANAGEMENT

Industrial Relations

		First Year	Credits
Eng.	11	*College Composition—Part 1	3
Acc.	1	*Principles of Accounting—Part 1	4
Psy.	2	*Personnel Psychology	4
Eng.	12	*College Composition—Part 2	3
Acc.	2	*Principles of Accounting—Part 2	4
B.L.		*The Legal Environment of Business (B.L. 10) or Law of Contracts (B.L. 11)	4

Second Year

Fin.	1	Money and Banking	4
Eco.	1	Principles of Economics—Part 1	3
Mth.	15	Survey of Mathematics—Part 1	4
Mrk.	1	Principles of Marketing	4
Eco.	2	Principles of Economics—Part 2	3
Mth.	16	Survey of Mathematics—Part 2	4

Third Year

Mgt.	13	*Personnel Administration	4
Sta.	15	*Business Statistics—Part 1	4
Thl.		*+Introduction to Theology (Thl. 11, 14, or 18)	3
Sta.	21	*Business Statistics—Part 2	4
Mgt.	20	*Industrial Management—Part 1	4
Phl.	11	*Logic	3

Fourth Year

Mgt.	21	*Industrial Management—Part 2	4
Eng.	23	*Oral Composition	2
His.		One of three introductory surveys (His. 11, 13, or 15)	3
Phl.	12	Contemporary Philosophies of Man	3
His.		Continuation of introductory survey (His. 12, 14, or 16)	3
Soc.	12	Industrial Sociology	3

Fifth Year

Eng.	21	Approach to Literature—Part 1	3
Thl.		+Special Studies in Theology (Thl. 21, 25, or 35)	3
		Labor Legislation (Mgt. 36) or Labor Prob. in America (Eco. 6)	4
		Approach to Literature—Part 2	3
		General Elective	3
		General Elective	3

Sixth Year

Mgt.	40	*Corporate Simulation, Strategies and Decision Making—Part 1	4
Phl.	13	Principles and Problems of Ethics	3
Mgt.	38	*Collective Bargaining	4
Mgt.	41	*Corporate Simulation, Strategies and Decision Making—Part 2	4
Mgt.	37	Compensation Methods and Job Evaluation	4
		General Elective	

+ Non-Catholics may substitute electives in liberal arts program for Theology courses. General electives may be optioned from any subject area, provided prerequisites are fulfilled.

* Courses required for the Certificate of Proficiency in Industrial Management.

MARKETING

First Year

			Credits
Eng.	11	*College Composition—Part 1	3
Mgt.	10	*Introduction to Management	4
Acc.	1	*Principles of Accounting—Part 1	4
Eng.	12	*College Composition—Part 2	3
Acc.	2	*Principles of Accounting—Part 2	4
B.L.		*The Legal Environment of Business (B.L. 10) or Law of Contracts (B.L. 11)	4

Second Year

Mth.	15	Survey of Mathematics—Part 1	4
Mrk.	1	*Principles of Marketing	4
Eco.	1	Principles of Economics—Part 1	3
Mth.	16	Survey of Mathematics—Part 2	4
Mrk.	2	*Marketing Management	4
Eco.	2	Principles of Economics—Part 2	3

Third Year

Thl.		*+ Introduction to Theology (Thl. 11, 14, or 18)	3
Mrk.	3	*Personal Selling	4
Fin.	1	Money and Banking	4
Eng.	23	*Oral Composition	2
Phl.	11	*Logic	3
His.		One of three introductory surveys (His. 11, 13, or 15)	3

Fourth Year

Thl.		+ Special Studies in Theology (Thl. 21, 25, or 35)	3
		General Elective	3
Mrk.	4	*Sales Administration	4
Phl.	12	Contemporary Philosophies of Man	3
		General Elective	3
His.		Continuation of introductory survey (His. 12, 14, or 16)	3

Fifth Year

Eng.	21	Approach to Literature—Part 1	3
		General Elective	3
Mrk.	5	*Advertising	4
Phl.	13	Principles and Problems of Ethics	3
Sta.	15	Business Statistics—Part 1	4
		General Elective	4

Sixth Year

Eng.	22	Approach to Literature—Part 2	3
Sta.	21	Business Statistics—Part 2	4
Soc.	12	Industrial Sociology	3
		Related Elective	4
Mrk.	6	*Market Research	4
		General Elective	

+ Non-Catholics may substitute electives in liberal arts program for Theology courses. General electives may be optioned from any subject area, provided prerequisites are fulfilled.

* Courses required for the Certificate of Proficiency in Marketing.

MATHEMATICS
Applied Mathematics

			Credits
Eng.	11	College Composition—Part 1	3
His.		One of three introductory surveys (His. 11, 13, or 15)	3
Mth.	13	Precalculus Mathematics	4
Eng.	12	College Composition—Part 2	3
His.		Continuation of introductory survey (His. 12, 14, or 16)	3
Mth.	23	Analytic Geometry and Calculus—Part 1	4

Second Year

Phy.	11	General Physics—Part 1	4
Phl.	11	Logic	3
Mth.	24	Analytic Geometry and Calculus—Part 2	4
Thl.		+ Introduction to Theology (Thl. 11, 14, or 18)	3
Phy.	12	General Physics—Part 2	4
Mth.	25	Analytic Geometry and Calculus—Part 3	4

Third Year

Eng.	23	Oral Composition	2
Phl.	12	General Physics—Part 3	4
Mth.	30	Linear Algebra	4
Thl.		+ Special Studies in Theology (Thl. 21, 25, or 35)	3
Phy.	12	Contemporary Philosophies of Man	3
Mth.	14	Modern Algebra	4

Fourth Year

Eng.	21	Approach to Literature—Part 1	3
Chm.	11	Basic Principles of Chemistry—Part 1	4
Mth.	36	Ordinary Differential Equations	4
Eng.	22	Approach to Literature—Part 2	3
Chm.	12	Basic Principles of Chemistry—Part 2	4
Mth.	43	Numerical Analysis	4

Fifth Year

Mth.	46	Probability and Statistics	4
Mth.	47	Topics in Applied Mathematics—Part 1	4
Phl.	13	Principles and Problems of Ethics	3
Mth.	48	Topics in Applied Mathematics—Part 2	4
		**Controlled Elective	4
		General Elective	3

Sixth Year

Psy.	3	General Psychology	4
		General Elective	3
		General Elective	3
Mth.	60	Linear Programming	4
		General Elective	3
		General Elective	

+ Non-Catholics may substitute electives in liberal arts program for Theology courses. General electives may be optioned from any subject area, provided prerequisites are fulfilled.

** Controlled electives, either Math. 44 or Math. 49 to be chosen after consultation with the Department Chairman.

CHEMISTRY

Curriculum Accredited by the American Chemical Society

First Year

			Credits
Eng.	11	College Composition—Part 1	3
Chm.	11	Basic Principles of Chemistry—Part 1	4
Mth.	11	Algebra and Trigonometry—Part 1	4
Eng.	12	College Composition—Part 2	3
Chm.	12	Basic Principles of Chemistry—Part 2	4
Mth.	12	Algebra and Trigonometry—Part 2	4

Second Year

Thl.		+ Introduction to Theology (Thl. 11, 14, or 18)	3
Chm.	23	Organic Chemistry—Part 1	4
Mth.	23	Analytic Geometry and Calculus—Part 1	4
Eng.	23	Oral Composition	2
Chm.	24	Organic Chemistry—Part 2	4
Mth.	24	Analytic Geometry and Calculus—Part 2	4

Third Year

His.		One of three introductory surveys (His. 11, 13, or 15)	3
Mth.	25	Analytic Geometry and Calculus—Part 3	4
Phy.	11	General Physics—Part 1	4
His.		Continuation of introductory survey (His. 12, 14, or 16)	3
Chm.	26	Quantitative Chemical Analysis	4
Phy.	12	General Physics—Part 2	4

Fourth Year

Eng.	21	Approach to Literature—Part 1	3
Chm.	47	Physical Chemistry—Part 1	4
Phl.	11	Logic	3
Eng.	22	Approach to Literature—Part 2	3
Chm.	48	Physical Chemistry—Part 2	4
Phl.	12	Contemporary Philosophies of Man	3

Fifth Year

Ger.	1	Elementary German	3
Chm.	50	Advanced Inorganic Chemistry	3
Chm.	45	Seminar Research	3
Ger.	2	Intermediate German	3
		General Elective	3
Chm.	34	Theoretical Organic Chemistry	3

Sixth Year

Phl.	13	Principles and Problems of Ethics	3
Thl.		+ Special Studies in Theology (Thl. 21, 25, or 35)	3
		** Controlled Elective	4
Chm.	39	Advanced Analytical Chemistry	4
		** Controlled Elective	4
		General Elective	

+ Non-Catholics may substitute electives in liberal arts program for Theology courses. General electives may be optioned from any subject area, provided prerequisites are fulfilled.

** Controlled Electives: Chemistry 33; Chemistry 40; Mathematics 36; Physics 13.

PHYSICS
Electronic Physics

First Year

			Credits
Eng.	11	College Composition—Part 1	3
His.		One of three introductory surveys (His. 11, 13, or 15)	3
Mth.	11	Algebra and Trigonometry—Part 1	4
Eng.	12	College Composition—Part 2	3
His.		Continuation of introductory surveys (His. 12, 14, or 16)	3
Mth.	12	Algebra and Trigonometry—Part 2	4

Second Year

Phy.	11	General Physics—Part 1	4
Phl.	11	Logic	3
Mth.	23	Analytic Geometry and Calculus—Part 1	4
Phy.	12	General Physics—Part 2	4
Phl.	12	Contemporary Philosophies of Man	3
Mth.	24	Analytic Geometry and Calculus—Part 2	4

Third Year

Eng.	23	Oral Composition	2
Phy.	13	General Physics—Part 3	4
Mth.	25	Analytic Geometry and Calculus—Part 3	4
Chm.	10	Fundamentals of Chemistry	3
Phy.	23	Electricity and Magnetism	4
Mth.	36	Ordinary Differential Equations	4

Fourth Year

Thl.		+ Introduction to Theology (Thl. 11, 14, or 18)	3
Phy.	24	Circuit Theory—Part 1	4
Mth.	47	Topics in Applied Mathematics—Part 1	4
Eng.	21	Approach to Literature—Part 1	3
Phy.	31	Modern Physics	4
Mth.	48	Topics in Applied Mathematics—Part 2	4

Fifth Year

Eng.	22	Approach to Literature—Part 2	3
Phy.	35	Electronic Devices	4
		Related Elective	4
Phy.	36	Electronic Circuits	4
Phy.	42	Pulse and Digital Circuits	4
Phl.	13	Principles and Problems of Ethics	3

Sixth Year

Phy.	48	Field Theory	4
Phy.	49	Circuit Theory—Part 2	4
Thl.		+ Special Studies in Theology (Thl. 21, 25, or 35)	3
Phy.	52	Introduction to Digital Computers	4
Phy.	57	Communication Theory and Circuits	4
		General Elective	

+ Non-Catholics may substitute electives in liberal arts program for Theology courses. General electives may be optioned from any subject area, provided prerequisites are fulfilled.

DESCRIPTION OF COURSES

The courses listed below will be given in accordance with the outlined program of study or when there is a minimum enrollment of 12 students.

ACCOUNTING

JOSEPH G. MARKMANN, B.S., C.P.A., *Co-Chairman*

ACCOUNTING 1. PRINCIPLES OF ACCOUNTING—PART 1. 4 *credits*

The purpose of this course is to introduce the elements of accounting to future accountants and to those who are interested in other phases of business administration. A thorough training is given in the fundamental principles of recording business transactions, including a study of the presentation and interpretation of the financial data of a single proprietorship, partnership and corporation.

ACCOUNTING 2. PRINCIPLES OF ACCOUNTING—PART 2.

Prerequisite, Accounting 1. 4 *credits*

Continuing the purpose of Accounting 1, this course embodies a detailed study of the application of current accounting principles and procedures to such problems as balance sheet valuation, profit determination, equity presentation, flow of working capital, application of funds, and comparative statement presentation and analysis.

ACCOUNTING 3. ELEMENTARY COST ACCOUNTING.

Prerequiste, Accounting 2. 4 *credits*

Elementary Cost Accounting is designed to acquaint the student with the basic principles applied to the job cost and process cost systems, and with the uses and interpretations of cost information. The principal topics are the purchasing and issuing of materials and the maintenance of perpetual inventory records; control of labor; methods of distributing factory overhead expenses; evaluation of the problems involved in shrinkage and idle time; consideration of the forms used in job and process cost systems; and discussion of the necessity, importance and place of cost accounting in modern enterprises.

ACCOUNTING 14. INTERMEDIATE ACCOUNTING THEORY—PART 1.

Prerequiste, Accounting 2.   4 *credits*

The general purpose of both parts of this course is to present the theories and problems, beyond the elementary level, which involve the proper recording of transactions and the preparation of financial statements. The first part comprises a review of the accounting cycle; a general discussion of the preparation of financial statements; a detailed analysis of theory as applied to transactions affecting current assets, current liabilities, long-term investments, and their presentation on the balance sheet.

ACCOUNTING 24. INTERMEDIATE ACCOUNTING THEORY—PART 2.

Prerequisite, Accounting 14.   4 *credits*

The second part of Intermediate Accounting Theory includes a detailed presentation of theory as applied to plant and equipment, intangible assets, long-term debt, capital stock and surplus; the correction of errors of prior periods; an analysis of financial statements; and the statement of application of funds.

ACCOUNTING 5. AUDITING.

Prerequisite, Accounting 24.   4 *credits*

Auditing is designed to give the student practical training in modern audit practices, emphasizing the principles and objectives sought in an audit. Emphasis is also placed upon the audit basis, the best audit standards, an objective basis of reporting, the adoption of improved accounting standards, the acquisition of an intimate knowledge of business controls, professional ethics and legal liability.

ACCOUNTING 6. ADVANCED COST ACCOUNTING.

Prerequisite, Accounting 3.   4 *credits*

Advanced Cost Accounting extends the objectives of the elementary course for students who intend to work in the field of industrial accounting. The course covers the economic, industrial and managerial aspects of cost accounting with emphasis on the flexible budget as a basis for cost control and on the analysis of variance and graphic charts. Special emphasis is placed on the study of estimated costs, standard costs and distribution costs.

ACCOUNTING 7. ADVANCED ACCOUNTING THEORY.

Prerequisite, Accounting 24.   4 *credits*

The purpose of this course is to give the accounting student a degree of maturity in the subject which will enable him to integrate, analyze and apply the outcomes of accounting to any business activity. The topics are installment sales; consignment sales; statement of affairs; insurance; estates; trusts; partnerships liquidations; branch and agency accounting; consolidated balance sheets; and consolidated profit and loss.

Accounting 8. Individual Federal Income Taxes.

Prerequisite, Accounting 2.   *4 credits*

The primary purpose of this course is to give a comprehensive explanation of the federal structure as it applies to individuals and to provide experience in the application of tax principles to specific problems. The course covers the following topics: types of returns; rates; business and personal income; sales and exchange; business and personal deductions; and withheld and prepaid taxes.

Accounting 9. Advanced Accounting Problems.

Prerequisite, Accounting 7.   *4 credits*

This course is a review of advanced material covering the entire accounting field. The problems considered include partnership liquidations, fiduciary accounting, consolidations, federal and state taxes, municipal accounting, and other problems.

Accounting 10. Corporate and Other Taxes.

4 credits

The course in Corporate and Other Taxes includes a review of the federal revenue system; partnership returns; federal corporate income tax; federal estate and federal gift taxes; State of Pennsylvania corporation taxes; City of Philadelphia taxes. The student will gain insight into the entire tax structure through the preparation and discussion of each type of tax return.

Accounting 13. Budgetary Planning and Control.

Prerequisite, Accounting 6.   *4 credits*

The course provides a study of the principles of business planning for financial control of future operations through the use of budgetary systems. Each section of the budget is treated; the various sections are assembled, and a master budget is prepared. Types and uses of budgets are discussed.

BUSINESS LAW

ROBERT F. LAVELLE, LL.B., *Co-Chairman*

Business Law 10. The Legal Environment of Business   *4 credits*

The purpose of the course is to give the student an understanding of law and its social and economic impact on business. The areas considered include the nature and source of law, written law, law established by statute, judicial and administrative decisions, the judicial system, regulation of commerce, taxation of business, regulation of competition, business and labor, history of antitrust legislation, antitrust aspects of marketing and the bill of rights and business.

Business Law 11. Law of Contracts.   *4 credits*

Law of Contracts is designed to introduce the student to the essential nature of and the elements required in the formation of valid contracts. The topics covered are offer, acceptance, reality of consent, consideration, capacity of parties illegality, writing, rights of third parties, performance and remedies. (Formerly Business Law 1)

BUSINESS LAW 22. LAW OF NEGOTIABLE INSTRUMENTS, SALES AND SECURED TRANSACTIONS.

Prerequisite, Business Law 11.   4 *credits*

The course deals with the application of the principles of the Common Law and the Uniform Commercial Code to Negotiable Instruments, Sales, and Secured Transactions. The topics covered include the requirements of negotiability, negotiation and holder in due course, liability of the parties and discharge, checks and documents of title, formation and terms of sales contracts, title and risk, warranties and product liability, remedies, common law and statutory liens, security interests, priorities, and default and foreclosure. (Formerly Law of Negotiable Instruments, Business Law 2.)

BUSINESS LAW 24. LAW OF BUSINESS ASSOCIATIONS.

Prerequisite, Business Law 10, *or Business Law* 11.   4 *credits*

Law of Business Associations covers the common and statute laws relative to agency, the creation, operation, and termination of partnerships, joint stock companies, business trusts, and corporations. Throughout the course, emphasis is placed upon the Uniform Partnership Act and the Incorporation Act of the State of Pennsylvania. (Formerly Business Law 4)

BUSINESS LAW 26. LAW OF REAL ESTATE.

Prerequisite, Business Law 10, *or Business Law* 11.   4 *credits*

The purpose of this course is to provide an understanding of the legal problems involved in real estate transactions and an appreciation of the value of legal counsel. The principal topics are the real estate brokerage relationship, personal property and fixtures, rights in real estate, co-ownership, acquisition of title, recording and evidence of title, contracts to sell, mortgages, deeds, liens, landlord and tenant, restrictions and zoning, and eminent domain; Law of decedents estates and law of wills. (Formerly Business Law 6)

CHEMISTRY

Curriculum Accredited by the American Chemical Society

ROBERT K. PRESTON, Ph.D., *Co-Chairman*

CHEMISTRY 10. FUNDAMENTALS OF CHEMISTRY.

Prerequisite, Physics 11.   3 *credits*

This course is designed to introduce some of the basic principles of elementary chemistry for science majors in curricula other than chemistry. It covers stoichiometry, states of matter, thermochemistry, atomic and molecular structure, some organic structural chemistry, as well as the beginnings of reaction mechanisms and solution chemistry.

CHEMISTRY 11.   BASIC PRINCIPLES OF CHEMISTRY—PART 1   4 *credits*

The aim of this course is to provide the student with a firm theoretical basis for understanding of the fundamentals of chemistry with major emphasis in the field of Inorganic Chemistry. The content of the first part of the course includes stoichiometry, the states of matter, thermochemistry, atomic and molecular structure, and the periodic chart. The descriptive chemistry is concerned principally with the non-metals.

CHEMISTRY 12.   BASIC PRINCIPLES OF CHEMISTRY—PART 2.

Prerequiste, Chemistry 11.   4 *credits*

This course is a continuation of Chemistry 11. The content includes solutions, ionic equilibria, oxidation and reduction, electrochemistry, complex ions and nuclear chemistry. The descriptive chemistry of the metals is also covered as well as some aspects of Qualitative Analysis.

CHEMISTRY 23.   ORGANIC CHEMISTRY—PART 1.

Prerequisite, Chemistry 12.   4 *credits*

The purpose of the first part of the course is to present the theoretical aspects of organic chemistry together with the structure, nomenclature, syntheses, and physical and chemical properties of the main classes of organic compounds. The aliphatic compounds are studied with emphasis on bond structure, reaction mechanisms, stereochemistry, and the correlation of structure with physical and chemical properties. Petroleum chemistry, proteins and carbohydrates are treated as special topics.

CHEMISTRY 24.   ORGANIC CHEMISTRY—PART 2.

Prerequisite, Chemistry 23.   4 credits

In the second part of Organic Chemistry, monofunctional and polyfunctional aromatic compounds, and polyfunctional aliphatic compounds are considered. These compounds are discussed from the viewpoint of reaction mechanisms and synthetic sequences. Both aliphatic and aromatic compounds are also treated under the three categories of substitution, addition and elimination reactions.

CHEMISTRY 26.   QUANTITATIVE ANALYSIS

Prerequisite, Chemistry 12.   4 *credits*

The contents of this first course in Quantitative Analysis consists of the study of the theory and basic principles of volumetric, complexometric, and gravimetric procedures. The thorough coverage of the stoichiometric calculations, as well as laboratory experiments designed to develop analytical techniques, are performed. An introduction is made to modern instrumental methods, such as colorimetric, electrolytic, potentiometric, and polarographic analytical procedures.

CHEMISTRY 33. BIOCHEMISTRY.

Prerequisite, Chemistry 24.   3 *credits*

This course is concerned with the study of the chemistry of substances associated with living processes. The role of water, proteins, carbohydrates and fats, together with their interrelation are considered. Special emphasis is placed on the correlation of the structure of natural polymers with their physical properties.

CHEMISTRY 34. THEORETICAL ORGANIC CHEMISTRY.

Prerequisite, Chemistry 24.   3 *credits*

The purpose of this course is to extend the study of organic chemistry by giving consideration to the theoretical concepts of the structure and reactions of organic compounds. The nature of chemical bonds, the mechanisms of organic reactions and chemical kinetics are topics of special interest.

CHEMISTRY 39. ADVANCED QUANTITATIVE ANALYSIS.

Prerequisites, Chemistry 24, 47.   4 *credits*

The lectures will cover the quantitative determination of the functional groups of organic compounds by chemical and instrumental techniques and the application of these procedures to organic mixtures. The laboratory work will include elemental as well as functional group analyses using the conventional chemical procedures and instrumental procedures such as gas-liquid chromatography, ultra-violet and infra-red spectroscopy, and polarography.

CHEMISTRY 40. QUALITATIVE ORGANIC ANALYSIS.

Prerequisite, Chemistry 24, and 26.   4 *credits*

The purpose of this course is to introduce the student to research methods while broadening his knowledge of organic chemistry. The course content consists of the solution of problems involving the structure and reactions of organic compounds. In the laboratory, experiments concerned with the identification of compounds and with the separation and identification of the components of mixtures are performed.

CHEMISTRY 45. SEMINAR RESEARCH.

Prerequisites, Chemistry 24, 26 and 47.   3 *credits*

This course concerns itself with the chemical research literature and its use. Each student is required to prepare and deliver a seminar topic. The entire Chemistry faculty is available for counsel.

CHEMISTRY 47. PHYSICAL CHEMISTRY—PART 1.

Prerequisites, Chemistry 26, Mathematics 25, and Physics 12.   4 *credits*

The general purpose of this course is to familiarize the student with the fundamentals of physical chemistry and their application to various physical and chemical systems. The contents of Part 1 are ideal and real gases, liquids, solids, elementary thermodynamics, thermochemistry, solutions, homogenous and heterogeneous equilibria.

Chemistry 48. Physical Chemistry—Part 2.

Prerequisite, Chemistry 47. 4 credits

The contents of Part 2 are electrical conductance, electrochemistry, chemical thermodynamics, chemical kinetics, and atomic and molecular structure.

Chemistry 50. Advanced Inorganic Chemistry.

Prerequisites, Chemistry 24, 39, 47. 3 credits

This lecture course will stress the modern atomic and molecular structure approach to the more recent advances in inorganic chemistry and will consider such things as the elements and their compounds, etc.; the periodic chart; some aspects of inorganic polymeric compounds; complexes in aqueous solutions; nuclear chemistry as well as other pertinent aspects of modern inorganic chemistry.

Chemistry 51. Special Topics.

3 credits

This one semester course will present a different subject each year in one area of special topics such as: polymer chemistry, organic synthesis, spectra, structure, etc. An elective course for chemistry majors.

Chemistry 52. Chemical Research.

Prerequisite, Chemistry 34 and 47. 4 credits

Individual laboratory or theoretical work under supervision of a staff member. An elective course restricted to Chemistry majors. Hours to be arranged.

Chemistry 53. Advanced Seminar. 3 credits

Prerequisiite, Chemistry 34 and 47

The purpose of this elective course is to acquaint the more advanced student with current literature and research in organic chemistry.

ECONOMICS

CASIMIR CIESLA, Dr. Rer. Pol., *Co-Chairman*

Economics 1. Principles of Economics—Part 1. 3 credits

This is a general introductory course designed to acquaint the student with fundamental economic principles and processes. The topics to be discussed in both parts of this course will include the organization of production, monopoly and competition, money and banking, governmental monetary and fiscal policy, price levels, the national income, level and fluctuation in income and employment, the price system, international trade, and the social encyclicals.

ECONOMICS 2.   PRINCIPLES OF ECONOMICS—PART 2.

Prerequisite, Economics 1.   3 *credits*

This course is a continuation of Economics 1. The content follows the description given above.

ECONOMICS 3.   AMERICAN ECONOMIC HISTORY.

Prerequisite, Economics 2.   4 *credits*

The purpose of this course is to acquaint the student with the economic development of the United States from the colonial age to the present time. Topics to be discussed will include Mercantilism and the colonial economy; economic aspects of the American Revolution and of the formation of the nation; the Industrial Revolution; land policy and agriculture; economic aspects of the Civil War; monetary problems and banking; the frontier; big business; imperialism and the growth of our contemporary economy through two world wars.

ECONOMICS 4.   HISTORY OF ECONOMIC THOUGHT.

Prerequisite, Economics 2.   3 *credits*

This course is designed to give the student a knowledge of the historical development of economic thought from ancient times to the present. The principal topics treated are the contributions of the ancient philosophers, the Scholastics, the Mercantilists, the Classicists and the German Historical Schools.

ECONOMICS 5.   CONTEMPORARY ECONOMIC SYSTEMS.

Prerequisite, Economics 4.   3 *credits*

A continuation of Economics 4 until Keynesian Economics has been treated; a history and analysis of socialist and Marxist thought culminating in a comparative study of the structure and function of the economics of the United States and the Soviet Union.

ECONOMICS 6.   LABOR PROBLEMS IN AMERICA.

Prerequisite, Economics 2.   4 *credits*

This course provides the student with an understanding of the roles played by unions, employers and the government in the solution of the major economic and non-economic problems of the worker in the United States. The structure, philosophy and function of management in the area of collective bargaining are analyzed. The role of the government in employee-management relations is also examined. The various solutions to the problems of unemployment, substandard wages and personal insecurity are explored and their effectiveness evaluated. Existing and proposed labor legislation are surveyed.

Economics 8. Mathematical Economics.

Prerequisite, Mathematics 16. 3 credits

Designed to acquaint the student with certain topics in algebra, analytic geometry, and calculus which are most useful in their application to micro- and macro-economic analysis.

Economics 9. Monetary Theory.

Prerequisite, Economics 2. 3 credits

An analysis of the role of money and the monetary system in determining income, employment, and the price level.

Economics 10. Microeconomic Theory.

Prerequisite, Economics 2. 4 credits

Theory of consumer behavior, production, and cost. Price determination of products in various market models and of factors of production. Welfare economics.

Economics 11. Macroeconomic Theory.

Prerequisite, Economics 2. 4 credits

Techniques of measuring national income and output. Theory of aggregate demand and the equilibrium level of income or output. Theory of economic fluctuations and of economic growth. Fiscal and monetary policies toward stabilization.

EDUCATION

Education 11. Introduction to Education. 3 credits

The role of the public school in American society. Particular attention to historical background, philosophy, and objectives.

Education 12. Educational Psychology. 3 credits

The aim of this course is the application of psychological principles concerned with the processes of growth and development, thinking, learning and motivation to the problems of education. Principles of mental hygiene and social psychology applied to educational problems in the home, the school, and the community.

EDUCATION 13. GENERAL METHODS.   3 *credits*

Common problems met by the teacher in the classroom; lesson planning, tests and measurements, teaching techniques, classroom management, etc.

EDUCATION 14. SPECIAL METHODS.   3 *credits*

Training in the method of instruction in which the student seeks certification.

EDUCATION 19, 20. PRACTICUM IN STUDENT TEACHING.   6 *credits*

Conducted under the direction of college supervisors and cooperating teachers in secondary schools. Student teachers for half-day sessions with their cooperating teachers for one semester of the public school year. Open only to seniors who complete requirements set by the college. Prerequisite: written application to be filed with Education department by April 1 of the junior year.

EDUCATION 21. AUDIO-VISUAL AIDS.   3 *credits*

A study of the use of audio-visual materials of instruction such as film-strips, lantern slides, maps, motion pictures, tape-recordings, etc. Procedures will be studied with respect to efficient use of audio-visual materials.

EDUCATION 23. READING SKILLS.   3 *credits*

This course is designed to familiarize the student with the best current thinking and research on the teaching of reading. The reading process is studied from the early readiness stage, through the primary, intermediate and secondary levels and the practices considered are easily adapted for use in actual teaching situations. The areas to be discussed include: beginning reading, a directed reading activity, individual and group inventories, classroom grouping, vocabulary development and enrichment, word attack skills, independent learning activities, and evaluation.

The following courses may be of interest in the area of general education:

Psychology   1—Psychology of Adjustment

Psychology   3—General Psychology

Psychology   4—Abnormal Psychology

Psychology   5—Child and Adolescent Psychology

Psychology   6—Interviewing and Counseling Techniques

Sociology   15—Juvenile Delinquency
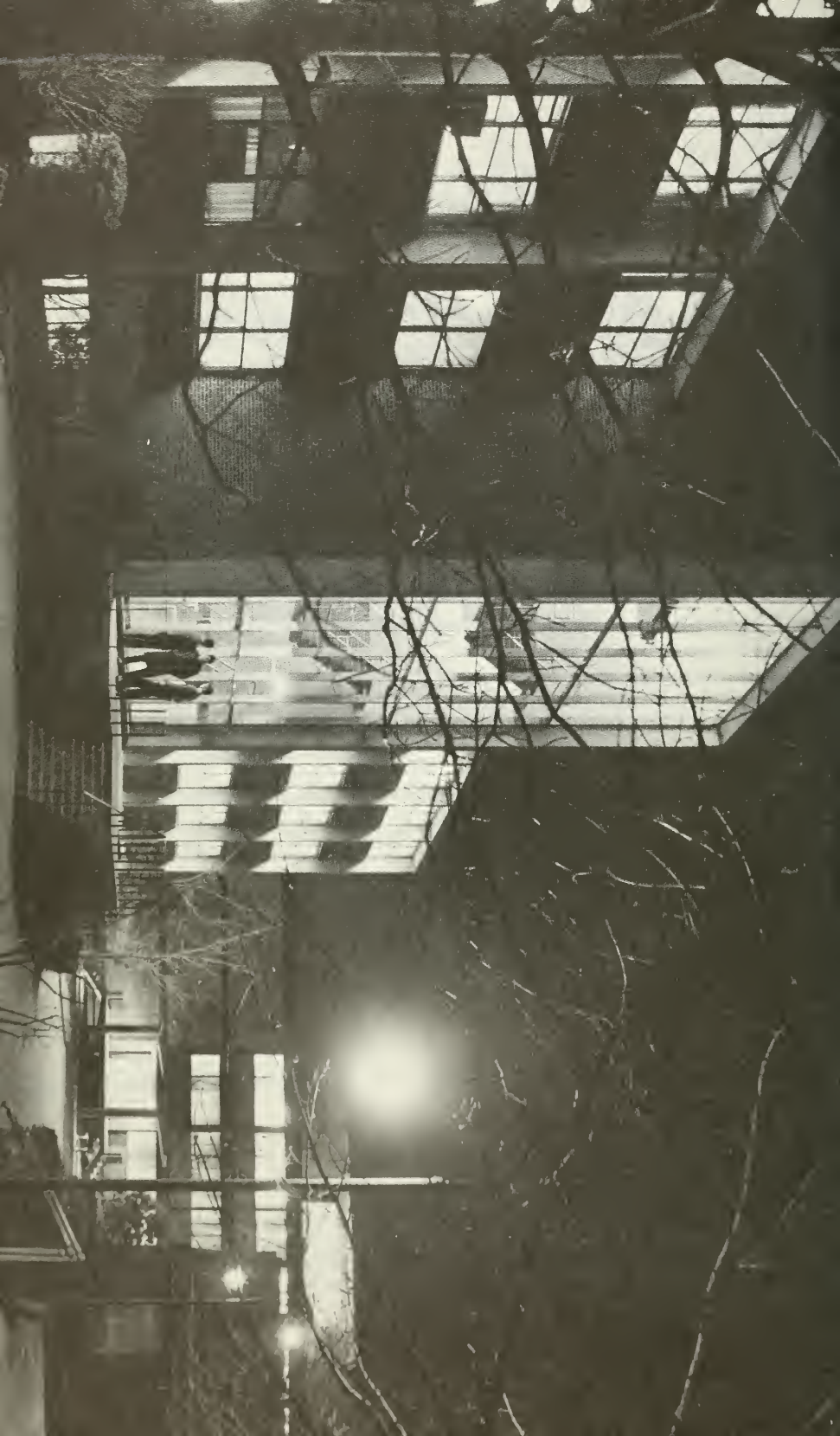
ENGLISH

CHARLES V. KELLY, M.A., *Chairman*

SHIRLEY ANN ERIKSSON, M.A., *Sub-Chairman*

ENGLISH 10. FUNDAMENTALS OF ENGLISH COMPOSITION. *No credits*

A review course in grammar and composition intended for those who show by examination that they are not fully prepared for English 11.

*ENGLISH 11. COLLEGE COMPOSITION—PART 1. 3 *credits*

Training in exposition; occasional papers in narration. Weekly themes; selected readings to stimulate writing; conferences with instructor. Course concludes with departmental Freshman Composition Examination.

*ENGLISH 12. COLLEGE COMPOSITION—PART 2.

Prerequisite, English 11. 3 *credits*

Writing assignments based upon readings in fiction; the research paper. Weekly themes; conferences with instructor.

*ENGLISH 21. APPROACH TO LITERATURE—PART 1. 3 *credits*

Training for literary understanding and appreciation through a study of the drama and fiction as art forms.

*ENGLISH 22. APPROACH TO LITERATURE—PART 2. 3 *credits*

Training for literary understanding and appreciation through a study of poetry.

ENGLISH 23. ORAL COMPOSITION. 2 *credits*

Speech composition, audience psychology, and technique of delivery; emphasis on practical speaking experience.

*Successful completion of these courses is generally considered requisite for any advanced English course.

ENGLISH 34. SURVEY OF ENGLISH LITERATURE—PART 1. 4 *credits*

A study of the literary movements and forms from the old English period to the decline of Neoclassicism, with concentration on the representative author and works.

ENGLISH 35. SURVEY OF ENGLISH LITERATURE—PART 2.   4 *credits*

A continuation of English 34, beginning with the Pre-Romantics and extending through the Edwardians.

ENGLISH 36. AMERICAN LITERATURE: 19TH CENTURY   4 *credits*

Romantic Movement, Rise of Realism, and Naturalism. Representative readings in those movements and in all forms except drama.

ENGLISH 37. SHAKESPEARE.   4 *credits*

A reading of selected Shakespearean plays, with particular attention to Elizabethan rhetorical and poetical values that facilitate the re-creation of the plays in the theatre of the imagination. (Formerly English 25) .

ENGLISH 38. THE BRITISH NOVEL: RICHARDSON TO HARDY.   4 *credits*

Historical development of the genre; structural patterns of the narrative form; analysis and discussion of assigned readings.

ENGLISH 40. MIDDLE ENGLISH LITERATURE.   3 *credits*

A survey of English literature of the 12th through the 15th centuries, including Chaucer.

ENGLISH 41. THE RENAISSANCE TO 1640, EXCLUDING SHAKESPEAREAN DRAMA.   3 *credits*

Selected readings in the literature of the English Renaissance. Attention to the types and sub-types of poetry and prose in the 16th and 17th centuries. (Formerly English 45) .

ENGLISH 42. THE RESTORATION AND THE 18TH CENTURY.   3 *credits*

A consideration of the literary theories of the neoclassical periods and a study of the works of such writers as Dryden, Pope, Swift, Addison and Steele, Johnson, and their outstanding contemporaries. (Formerly English 46) .

ENGLISH 43. READINGS IN POETRY.   4 *credits*

A study of the uses of language in English poetry—meter, metaphor, symbol, and other linguistic features—and of the major conventional forms of English poetry.

ENGLISH 44. ENGLISH LITERATURE OF THE ROMANTIC PERIOD.   3 *credits*

An historical survey of Coleridge, Wordsworth, Byron, Shelley, Keats, and their contemporaries. (Formerly English 47).

ENGLISH 45. ENGLISH LITERATURE OF THE VICTORIAN PERIOD.   3 *credits*

The chief literary figures of the period—Tennyson, Arnold, Browning, Hopkins, Carlyle, Newman, Ruskin—and their contemporaries, placed against their milieu.

ENGLISH 46. MODERN BRITISH LITERATURE.   3 *credits*

A study of fiction, poetry, and drama written since the Second World War.

ENGLISH 47. AMERICAN LITERATURE: 20TH CENTURY.   3 *credits*

Survey of developments in poetry, fiction, and drama, including representative works of such writers as Hemingway, Fitzgerald, Faulkner, Frost, Eliot, O'Neill, Steinbeck, and selected representatives of the 1950's and 1960's.

ENGLISH 49. HISTORY OF THE ENGLISH LANGUAGE.   4 *credits*

Origins and development of modern English from Old and Middle English; dialects and dialect geography.

ENGLISH 50. ADVANCED WRITING.   4 *credits*

Analysis of contemporary communication methods and practices and their application in solving writing problems in business and education.

ENGLISH 51. READINGS IN DRAMA.   3 *credits*

Survey of the important dramas of England from the Middle Ages to 1900; dramatic structure, historical and literary influences. (Formerly English 41).

ENGLISH 52. LITERARY THEORY AND CRITICISM.   4 *credits*

An introduction to theories of literary structure and literary value; exercises in the description and evaluation of literary works; reports on assigned readings. (Formerly English 42).

ENGLISH 53. THE CONTEMPORARY BRITISH AND AMERICAN NOVEL   4 *credits*

A study of the major novelists of the present century in England and America; structure and trends. (Formerly English 39).

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ENGLISH 55. SENIOR SEMINAR. 4 *credits*

Special studies on a literary topic or on the works and times of a selected major English or American writer.

ENGLISH 56. INTRODUCTION TO STRUCTURAL LINGUISTICS. 4 *credits*

Modern theories about the nature of language and new techniques for grammatical analysis. An attempt is made to apply the principles of linguistics to the teaching of English and of foreign languages.

FINANCE

MELVIN F. WOODS, M.A., *Co-Chairman*

FINANCE 1. MONEY AND BANKING. 4 *credits*

Money and Banking is a course which is designed to give the student an understanding of the nature and operation of our money and banking systems and of the application of monetary and banking theory to current problems. Particular emphasis is placed on monetary standards and commercial bank operations. The effects of Federal Reserve policy and Federal Treasury fiscal policies on financial institutions are fully treated.

FINANCE 2. CORPORATION FINANCE.

Prerequisite, Finance 1. 4 *credits*

Corporation Finance is a study of the fundamental principles of business finance. The topics included in this course are promotion, forms of business organization, stocks, bonds, notes and underwriting methods, capitalization, surplus and dividend policies, business failures and reorganizations.

FINANCE 3. INVESTMENT PRINCIPLES.

Prerequisite, Finance 1. 4 *credits*

The purpose of this course is to familiarize the student with the principles of sound and prudent procedures for the investment of funds. The main topics are principles of security analysis and their application to industrial, railroad, public utility, government and municipal investments. Other outlets are also covered including life insurance, savings banks, and real estate. The effect of taxation on investment policy and personal portfolio administration is considered.

FINANCE 5. ANALYSIS OF FINANCIAL STATEMENTS.

Prerequisites, Accounting 1 and 2.   *4 credits*

The purpose of this course is to provide the student with an understanding of the procedures for the analysis of financial statements. The topics are viewpoints of analysis, the balance sheet, the income statement, statement of sources and application of funds, and surplus accounts. Emphasis is placed on industrial corporation statements.

FINANCE 7. CREDIT AND COLLECTIONS.

Prerequisite, Finance 1.   *4 credits*

This course is a detailed study of the organization and management of a credit department, investigation techniques, principles of statement analysis, collection methods, and the legal aspects of bankruptcy and receivership in credit work.

FOREIGN LANGUAGES

BERHARDT G. BLUMENTHAL, Ph.D., *Chairman*
FRENCH

FRENCH 1. ELEMENTARY FRENCH.   *3 credits*

This course is designed to familiarize the student with the basic rules governing French grammar and phonetics through intensive practice in reading, writing, comprehending and speaking French.

FRENCH 2. ELEMENTARY FRENCH.

Prerequisite, French 1.   *3 credits*

The study of basic French grammar is intensified and completed. Readings are continued in order to develop the student's ability to understand and use French.

FRENCH 5. REVIEW GRAMMAR AND COMPOSITION.   *3 credits*

This course stresses grammatical review, exercises in composition and selected readings.

FRENCH 6. INTERMEDIATE READINGS.   *3 credits*

Selected readings of intermediate difficulty from writers of the nineteenth and twentieth centuries with a view to introducing the student to the literature and civilization of the country.

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GERMAN

German 1. Elementary German. 3 *credits*

The elementary course is designed to impart the basic rules governing German grammar and phonetics and to prepare the student for later mastery in the reading, writing, and speaking of the language.

German 2. Intermediate German.

Prerequisite, German 1. 3 *credits*

This course is a review of the fundamentals of grammar with emphasis on oral reading and exercises in composition.

German 5. Review Grammar and Composition. 3 *credits*

This course stresses grammatical review, exercises in composition, and selected readings.

German 6. Intermediate Readings. 3 *credits*

Selected readings of moderate difficulty from writers of the nineteenth and twentieth centuries with a view to introducing the student to the literature and civilization of the country.

SPANISH

Spanish 1. Elementary Spanish. 3 *credits*

The elementary course is designed to impart the basic rules governing Spanish grammar and phonetics and to prepare the student for later mastery in the reading, writing, and speaking of the Spanish language.

Spanish 2. Intermediate Spanish.

Prerequisite, Spanish 1. 3 *credits*

The intermediate course in Spanish provides a review of grammar with advanced readings and exercises in composition. Special emphasis is given to phonetics.

Spanish 5. Review Grammar and Composition. 3 *credits*

This course stresses grammatical review, exercises in composition and selected readings.

SPANISH 6.   INTERMEDIATE READINGS.   3 *credits*

Selected readings of intermediate difficulty from writers of the nineteenth and twentieth centuries with a view to introducing the student to the literature and civilization of the country.

SPANISH 7.   ADVANCED CONVERSATION.   3 *credits*

Prerequisite, Spanish 5

This course includes intensive oral exercises with a view towards improving the student's pronunciation and increasing his active vocabulary. Students make frequent use of audio aids.

SPANISH 8.   ADVANCED GRAMMAR AND COMPOSITION.   3 *credits*

Prerequisite, Spanish 5

Training in the use of correct idiomatic Spanish and in the practical application of grammatical principles; intensive exercises in written expression and in translating of standard English prose into Spanish.

HISTORY

DENNIS McCARTHY, M.A., *Co-Chairman*

INTRODUCTORY SURVEYS

One two-part sequence from the Introductory Survey Courses is required as part of the core curriculum.

HISTORY 11.   THE NON-WESTERN WORLD SINCE 1500—PART 1.   3 *credits*

A study of selected areas in Asia and Africa and their interrelations with the west to the mid-nineteenth century.

HISTORY 12.   THE NON-WESTERN WORLD SINCE 1500—PART 2.   3 *credits*

Continuation of History 11 from the mid-nineteenth century to the present with emphasis upon the emerging nations of Asia and Africa.

HISTORY 13.   HISTORY OF WESTERN CIVILIZATION—PART 1.   3 *credits*

This is a survey of the political, economic, religious, social, intellectual and artistic development of Western Civilization from its Graeco-Roman origins to mid-seventeenth century.

HISTORY 14.   HISTORY OF WESTERN CIVILIZATION—PART 2.   3 *credits*

Continuation of History 13 from the mid-seventeenth century to modern times.

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HISTORY 15. HISTORY OF THE UNITED STATES—PART 1.   3 *credits*

A study of the development of the United States and Pennsylvania from the founding of the colonies to 1865; covers the coming of the Revolution, the establishment of the Federal Government, the National Period, the Jacksonian Era, and the coming of the Civil War.

HISTORY 16. HISTORY OF THE UNITED STATES—PART 2.   3 *credits*

Continuation of History 15. Reconstruction, the economic development of the latter part of the nineteenth century, the Progressive Era and America in two world wars.

History Majors should confer with the Chairman of the Department to roster all History courses after the first 6 semester hours in History.

HISTORY 17. HISTORY OF GREECE AND ROME.   4 *credits*

A study of the development of civilization in Greece and its expansion through colonization and the conquests of Alexander; stresses the intellectual and artistic heritage which Greece passed on to Rome and the West. Roman history is surveyed from the founding of the Republic to the breakup of the Empire in the West a thousand years later.

HISTORY 18. EUROPE 1000-1500.   4 *credits*

A study of West European Christian civilization from the end of the "dark ages," through the High Middle Ages, to the dawn of modern history.

HISTORY 19. EUROPE FROM 1500 TO 1763.   4 *credits*

A study of the emergence of the modern European state system, the Reformation Era, dynastic and religious wars and the economic and cultural development of Europe to the end of the Seven Years' War.

HISTORY 20. EUROPE FROM 1763 TO 1870.   4 *credits*

Europe in the Age of the French Revolution and Napoleon, the aftermath of the Congress of Vienna, nationalism, democracy and industrialism, the formation of the Italian and German nations.

HISTORY 21. EUROPE SINCE 1870.   4 *credits*

The Bismarckian Era, domestic political developments, the impact of the industrial revolution, the "new imperialism," World War I, the failure of the peace, World War II and the Cold War.

History 22.   Germany Since 1848.   4 *credits*

The political, social, economic, and cultural history of Germany from the revolutions of 1848 to the present.

History 23.   Great Britain Since 1815.   4 *credits*

A treatment of the broad social, political and economic trends in the shaping of modern Britain.

History 24.   The Soviet Union.   4 *credits*

The Russian revolutions of 1917 and the development of the Soviet Union during the last half-century.

History 25.   Constitutional History of the United States.   4 *credits*

The English and colonial background of the federal constitution; the interpretation, application and evolution of constitutional principles in a growing and changing country.

History 26.   American Colonies and Revolution.   4 *credits*

A study of the development of the English colonies in America, the conflict between colonies and mother country and the attainment of independence.

History 27.   The National Period.   4 *credits*

The development of political, social and economic institutions in the United States from the Constitution to the Jacksonian period.

History 28.   The Civil War.   4 *credits*

A study in depth of the origins, course and consequences of secession and the Civil War.

History 29.   The Black Experience in America.   4 *credits*

A history of Negroes in the United States. Intensive readings and discussions of such topics as: the African background, slavery and slave revolts, abolitionism, Reconstruction and its aftermath, the Harlem Renaissance, the Niagara Movement and the Civil Rights Movement.

History 34. The United States in the Twentieth Century   4 *credits*

Study of the United States from the Progressive Era to the present. Emphasizes the role of the United States in the international scene and the increasing role of government in domestic life.

History 41. Latin America Since 1830.   4 *credits*

Political, economic, and social development in Latin American nations since they gained independence.

History 48. Methodology and Directed Reading—Part 1.   4 *credits*

Introduction to the methodology of historical research; the nature of history and historical research, use of bibliographies and reference books, organization of research, writing a scholarly paper; also selected readings, discussions, and reports. Recommended for students who expect to enter graduate schools.

History 49. Methodology and Directed Reading—Part 2.

Prerequisite, History 48.   4 *credits*

Continuation of History 48.

HUMANITIES

JOHN J. KEENAN, M.A., *Chairman*

Humanities 11. Readings: The Humanities.   1 *credit*

Independent reading of five important books in literature, history, and the social sciences. No regular class meetings. Essay examination for Pass-Fail grade. (Formerly Interdepartmental Readings 1).

Humanities 12. Readings: Readings in Urban America.   3 *credits*

Independent study course comprising readings in history, literature, and social sciences dealing with the theme of Urban America. No regular class meetings. Monthly discussion groups and a final paper aid student in perceiving inter-disciplinary relationships. Team-taught. Pass-Fail grade only. (Formerly Interdepartmental Readings 2).

HUMANITIES 21.   ELEMENTS OF ART.   *3 credits*

Aesthetic analysis of the elements of painting and sculpture; application of principles to several major artists.

HUMANITIES 22.   INTRODUCTION TO MUSIC.   *3 credits*

An examination of the fundamentals of music. Survey of the musical styles of Western Civilization through a study of representative works. Planned listening assignments.

HUMANITIES 23.   A SHORT HISTORY OF OPERA.   *3 credits*

Music for the operatic stage from its inception to the contemporary period. Concentrated study of selected works representing the stylistic and historical development of opera.

HUMANITIES 50.   MODERN WORLD LITERATURE.   *3 credits*

Prerequisites: English 21, 22.

Readings—ranging through novels, poems, plays—in works by great Continental writers including Tolstroy, Undset, Gide, Mann, Pasternak, Lorca, Mauriac, Rilke, Unamuno and others.

HUMANITIES 51.   MAJOR THEMES IN WESTERN LITERATURE.   *3 credits*

Prerequisites: English 21, 22.

The study of selected titles from the liberal tradition of the Western world in terms of eight magnet themes: God, Man, Nature, Revolution, War and Peace, Love, Truth, Art. The authors studied range from Plato to Darwin, Marx, Freud, Sartre. Basically a discussion and independent-discovery course.
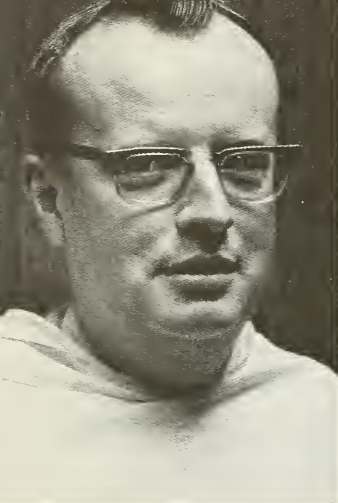
REV. RAYMOND F. HALLIGAN, O.P.
Chaplain

INSURANCE

JOHN H. CHRISTIE, B.S., *Co-Chairman*

INSURANCE 1. THE PRINCIPLES OF INSURANCE. 4 *credits*

This course provides a study of the underlying principles upon which all forms of insurance are based. Beginning with the theory of probabilities, the principles are developed as they apply to the different branches of the business. The four divisions of insurance—life, fire, marine, and casualty—are presented.

INSURANCE 2. THE PRINCIPLES OF LIFE INSURANCE. 4 *credits*

The course provides a study of the theory and practice of life insurance and of its legal aspects. Consideration is given to the various forms of life insurance—individual, group and industrial. The course is designed to give the student a knowledge of Social Security and of programming. Attention is also given to the supervision and the management of life insurance companies.

INSURANCE 3. FIRE AND INLAND MARINE INSURANCE. 4 *credits*

This course considers in detail the fire policy contract, home owners policies, endorsements and forms, schedule rating, and the various inland marine insurance contracts and endorsements.

INSURANCE 4. CASUALTY INSURANCE. 4 *credits*

The contents of the course in casualty insurance includes the following: automobile, burglary, public-liability, compensation, accident and health, steam-boiler, machinery, and plate-glass insurance; and fidelity and surety bonds insurance. Attention is paid to policy contract, rate making, experience rating, special agreements and endorsements, assignment of policies, etc.

MANAGEMENT

JOSEPH E. CROWLEY, LL.B., *Co-Chairman*

MANAGEMENT 10. INTRODUCTION TO MANAGEMENT.   *4 credits*

In this course, the student is introduced to the concepts, principles, functions, and techniques of management. The development of management thought is traced; the role of business and industry is considered; the contribution of particular disciplines to management is studied. The use of quantitative and behavioral approaches is introduced. (Formerly Industry 1) .

MANAGEMENT 13. PERSONNEL ADMINISTRATION.   *4 credits*

The personnel function is considered from the viewpoint of both the line manager and the staff personnel administrator. Recruitment, assignment, utilization and development of the human resources of an organization are stressed and the contribution of various disciplines to personnel administration is analysed. The human problems of management and worker, as well as the techniques of personnel management, are explored in depth. (Formerly Industry 3) .

MANAGEMENT 20. INDUSTRIAL MANAGEMENT. (PART 1)   *4 credits*

This course is designed to provide the student with an understanding of the basic principles and analytical techniques of management. The functions of planning, organizing, directing, and controlling are stressed, and the application of these functions to practical situations is aided by the use of cases to supplement readings and descriptive material.

                                                              3 credits
MANAGEMENT 21. INDUSTRIAL MANAGEMENT. (PART 2)   *4 credits*

The study of the principles and techniques of management is extended in this course. Work analysis, work standard development, motion economy, and production control are stressed and applied in the areas of production, procurement, and inventory management. Recently developed techniques are applied to management problems and the impact of automation and electronic data processing on management is considered.

MANAGEMENT 22. SYSTEMS AND PROCEDURES.

Prerequisite, Management 21.   4 *credits*

This course is designed to give the student perspective and insight in the application of systems and procedures to management problems. The principal topics are the nature of systems and procedures, the significance of the management environment, organizational placement of systems and procedures activity, sources and types of projects, systems analysis, machines and processes, communications, publications, flow charting, records and reports control, work sampling, and work simplification. (Formerly Industry 11).

MANAGEMENT 26. INTRODUCTION TO INTEGRATED DATA PROCESSING SYSTEMS.   4 *credits*

This course is designed to familiarize the student with the ever increasing important role that data processing applications are playing in today's world. Consideration is given to the following topics: The history and development of data processing, vocabulary and terminology of the data processing field, punched card systems and their evolution into an integrated total computerized system, the role of data communications in today's processing systems, current and future applications in business and research institutions, and an applicable introduction to the programming languages of Cobol (for business) and Fortran (for the mathematical formula). (Formerly Industry 16).

MANAGEMENT 36. LABOR LEGISLATION.

Prerequisite, Business Law 10 *or Business Law* 11 *and Management* 13.   4 *credits*

This course provides the student with an understanding of the objectives and actions of the federal and state governments in the field of labor management relations through a comprehensive consideration of the more important pieces of labor legislation. The principal topics are the application of the early legal doctrines to unions, the laws governing union activities and the law of collective bargaining. The National Labor Relations Act, the Railway Labor Act, the Labor-Management Reporting and Disclosure Act of 1959 are among the more important pieces of labor legislation analysed. State labor legislation is reviewed. (Formerly Industry 6).

MANAGEMENT 37. COMPENSATION METHODS AND JOB EVALUATION

Prerequisities, Management 13 *and* 20.   4 *credits*

This course is designed to acquaint the student with the principles of job evaluation, compensation methods, and the technique and installation of incentive plans. (Formerly Industry 12).

MANAGEMENT 38. COLLECTIVE BARGAINING.

Prerequisities, Management 13 and 36.   4 *credits*

Collective Bargaining is the study of the external and internal factors which influ-
ence the establishment of trade agreements and the application of the provisions of
established trade agreement to day-to-day employer-employee problems. Some of the
topics covered in this course are the functions of collective bargaining, its application
in day-to-day operations, its characteristic processes and procedures, and the effect of
the law on negotiations and the resulting trade agreement. These topics are explored,
analysed, and answered through a study of authentic cases drawn from industry. Out-
side reading is required. (Formerly Industry 13) .

MANAGEMENT 40. CORPORATE SIMULATION, STRATEGIES AND DECISION MAKING (PART I) .

Prerequisite, Management 20 or permission of the Dean.   4 *credits*

A dynamic corporate model—covering the general functions of production, market-
ing, and financial management—is simulated to encourage the student to apply pre-
viously learned management theory by assuming the role of a top level corporate exec-
utive. Case problems in strategy and decision making are discussed in seminar fashion
to augment his skills as they devolve upon the simulation model. Students organize
their own corporate teams which operate autonomously and competitively. They make
all decisions concerning prices, advertising, R&D, inventory levels, markets, produc-
tion levels, expansion and contraction, capital financing, personnel and distribution of
profits. A three-year period of operations is covered; quarterly decisions are calcu-
lated; annual progress reports are made orally by each team followed by constructive
critiques. (Formerly Business Policy and Simulation, Part I—Industry 20A) .

MANAGEMENT 41. CORPORATE SIMULATION, STRATEGIES AND DECISION MAKING (PART II) .

Prerequisite, Management 40.   4 *credits*

From a single-product corporate model—operated upon in Management 40 the
student progresses to a multi-product model with its accompanying considerations in
product mix. The participant also copes with constraining influences such as foreign
competition, government regulation, employee relations, and product obsolesence. Long
range planning, bearing on these contingencies, is emphasized. Students again organize
into competitive teams to operate on the model through 12 calendar quarters. Corporate
case studies are discussed in seminar fashion to provide background in risk appraisal,
strategy evaluation, and decision-making. (Formerly Business Policy and Simulation,
Part II—Industry 20B) .

MANAGEMENT 55. QUANTITATIVE METHODS IN MANAGEMENT.   4 *credits*

The techniques of quantitative decision making are applied to management prob-
lems. Operations research, decision theory and mathematical programming are consid-
ered in depth. Emphasis is placed on the queuing theory, network design and model
building. The concept of suboptimization is explored and comprehensive problems
amenable to solution by quantitative methods are used extensively. (Formerly Indus-
try 21) .

MANAGEMENT 60.   ORGANIZATIONAL BEHAVIOR.

Prerequisite, 60 credit hours.   *3 credits*

Business organizations will be analysed in an interpersonal setting with emphasis on the importance of influence, authentic motivation, and communication. Relevant findings of behavioral science are examined and related to work and productivity in a modern organization. Case discussions and readings contribute toward the formation of a conceptual framework to better understand the group and intergroup problems.

MANAGEMENT 61.   INTERNATIONAL BUSINESS MANAGEMENT

Prerequisite, 60 credit hours.   *3 credits*

Management of United States business abroad is examined and the problems of multi-national operation are analysed. The legal, financial, economic and political environment is considered and the managerial action in this environment is reviewed. The functions of production, marketing, and manpower management are stressed.

MANAGEMENT 62.   COMPARATIVE LABOR RELATIONS.

Prerequisite, 60 credit hours.   *3 credits*

In this course the student will contrast the industrial and labor relations systems of selected countries grouped according to their stages of industrial development. Among the factors explored are the cultural, political, legal and economic aspects of each country and the impact of these factors on the relationships between employer, worker, union and government. Pertinent readings and a term paper are required.

MANAGEMENT 63.   SEMINAR ON THE DEVELOPMENT OF MANAGEMENT THOUGHT.

Prerequisite, 60 credit hours.   *3 credits*

The development of management concepts is traced through the writings of major contributors and the relationship of early ideas to current thought is considered.

REV. JOHN CIMINO, O.PRAEM.

Chaplain

MARKETING

GEORGE R. SWOYER, M.B.A., *Chairman*

MARKETING 1. PRINCIPLES OF MARKETING.   4 *credits*

The purpose of this course is to provide the student with a broad background of the important principles and factors relating to the marketing functions in the American economy. The principal topics are the nature, significance and functions of marketing; consumer motivation; behavior and buying problems; wholesaling and retailing of consumer goods; marketing industrial goods and raw materials; market research and merchandise development; buying, selling, price policies and practices; channels of distribution; and governmental relationships to marketing.

MARKETING 2. MARKETING MANAGEMENT.

Prerequisite, Marketing 1.   4 *credits*

Study of actual business cases employing managerial approach to marketing, emphasis on decision-making and the strategies used by the marketing manager as he adapts his marketing mix to rapidly changing conditions. (Formerly Retailing) .

MARKETING 3. PERSONAL SELLING.

Prerequisitie, Marketing 1.   4 *credits*

The purpose of this course is to acquaint the student with the development, the importance and the practice of individual selling. In the treatment of the content, primary consideration is given to sales personality, the phase of sales presentation, types of buyers, and the ethics in salesmanship. The students are required to make actual sales presentations.

MARKETING 4. SALES ADMINISTRATION.

Prerequisite, Marketing 1.   4 *credits*

The aim of this course is to familiarize the student with the activities of a sales administrator in directing and controlling a sales force. The topics considered are the recruitment, selection, training, compensation, motivation, and supervision of salesmen. Other topics also included are the establishment of sales territories, quotas and budgets.

MARKETING 5. ADVERTISING.

Prerequisite, Marketing 2.   4 *credits*

The course provides a complete, up-to-date treatment of the economic and social aspects of advertising, including the important methods and techniques of research which form the basis of any advertisement or advertising campaign; a practical treatment of copy, layout, and media; effectiveness of advertising, advertising departments, and the advertising agency.

MARKETING 6. MARKETING RESEARCH AND ANALYSIS.

Prerequisite, Senior Standing. 4 *credits*

This course deals with the use of scientific method in the solution of specific marketing problems and in the conduct of general market research studies. Topics considered include purposes achieved by market research and analysis; agencies for carrying on the work; sources of information; problems of research and analysis; methods of carrying on research and of analyzing information obtained; and the proper presentation of the results.

MARKETING 7. INDUSTRIAL MARKETING.

Prerequisite, Senior Standing. 4 *credits*

Course analyzes problems peculiar in nature or outlook to industry. Challenges and opportunities considered include products, services and administration related to industrial marketing of capital equipment, technology and commodity items—as well as systems. The course includes planning (research sources, analysis, projection) and administration (advertising, promotion, audiences, result measurement) . Case study, supplemented by conventional lecture and discussion.

MATHEMATICS

(Applied Mathematics)

EDWARD J. NOLAN, M.Ch.E., *Co-Chairman*

MATHEMATICS 10. COLLEGE ALGEBRA. *No credit*

The purpose of this course is to develop a mastery of the fundamental concepts of Algebra. It is a basic course intended for those who do not qualify for Mathematics 11. The principal topics are fundamental operations, factoring, fractions, exponents, radicals, graphing, linear and quadratic equations, and problem solving. (*This course carries no college credit.*)

MATHEMATICS 13. PRECALCULUS MATHEMATICS.

Prerequisite, Mathematics 10, or a qualifying score in the Mathematics Achievement Test. 4 *credits*

This course is designed to permit students entering with sufficient background in mathematics to complete their calculus preparation in one semester. Topics covered include—an introduction to sets, inequalities, sequences, limits, algebraic structures and complex numbers. Concomitantly, it is expected that the student will pursue certain topics by himself e.g. logarisms, exponents, oblique triangles.

MATHEMATICS 14.   INTRODUCTION TO MODERN ALGEBRA.

Prerequisite, Mathematics 25.   *4 credits*

This course is designed to illustrate the conceptual basis of mathematics by use of the axiomatic method. Stress is placed upon the understanding of formal proofs of the theorems and the development of the student's ability to construct such proofs for himself. Although emphasis is placed primarily upon method, the selected topics are useful in preparing the student for further work in mathematics and physical science. The topics include Number Theory, Set and Group Theory, Vector Spaces and Elementary Field Theory.

MATHEMATICS 15.   SURVEY OF MATHEMATICS—PART 1.   *4 credits*

Foundations of arithmetic, algebra, geometry (Euclidean and Non-Euclidean), elementary concepts of calculus, symbolic logic, linear programming. A terminal course; science students or potential science students should not schedule this course. It will not give sufficient background for further courses in mathematics required of science students.

MATHEMATICS 16.   SURVEY OF MATHEMATICS—PART 2.

Prerequisite, Mathematics 15.   *4 credits*

Continuation of Mathematics 15.

MATHEMATICS 17.   INTRODUCTION TO COMPUTER PROGRAMMING.   *4 credits*

Prerequisite: Mathematics 13.

Fundamentals of Fortran programming; this course is designed to aid the student in performing simple computer computations; problem solving is emphasized. The goal is to give the student some insight into the usefulness of this powerful tool.

MATHEMATICS 23.   ANALYTIC GEOMETRY AND CALCULUS—PART 1.

Prerequisite, Mathematics 12.   *4 credits*

This is the first of a series of three consecutive courses in Analytic Geometry and Calculus in which an integrated treatment is given to the following subjects: the basic concepts of Analytic Geometry; graphs of functions; basic concepts of Calculus; the derivative with applications to curve tracing; maxima and minima; velocity, acceleration and rates; differentials; approximate values; integration.

MATHEMATICS 24.   ANALYTIC GEOMETRY AND CALCULUS—PART 2.

Prerequisite, Mathematics 23.   *4 credits*

The topics considered in Part 2 of Analytic Geometry and Calculus are the integral as a summation method involving approximate and exact techniques; geometric and physical applications of the definite integral; an introduction to polar coordinates and conic sections; and the differentiation of trigonometric, logarithmic and exponential functions.

MATHEMATICS 25. ANALYTIC GEOMETRY AND CALCULUS—PART 3.

Prerequisite, Mathematics 24.   4 *credits*

Mathematics 25 concludes the sequence in Analytic Geometry and Calculus. The topics discussed are vectors, the Law of the Mean, indeterminate forms, formal integration, trigonometric integrals and applications, partial fractions, surfaces, partial derivatives, multiple integrals, and infinite series.

MATHEMATICS 30. LINEAR ALGEBRA.   4 *credits*

Prerequisite, Mathematics 24.

Matrix algebra and determinants; finite dimensional vector spaces; characteristic roots and characteristic vectors; introduction to abstract vector spaces and linear transformations.

MATHEMATICS 36. ORDINARY DIFFERENTIAL EQUATIONS.

Prerequisite, Mathematics 25.   4 *credits*

It is the aim of this course to give an extended treatment of ordinary differential equations with applications to the physical sciences. The main topics covered are ordinary differential equations of the first order; linear differential equations with constant coefficients; linear differential equations with variable coefficients; simultaneous equations; special higher order equations; series solutions.

MATHEMATICS 43. NUMERICAL ANALYSIS.   4 *credits*

Prerequisite, Mathematics 36.

Difference methods and polynomial curve fitting; method of least squares; numerical solution of algebraic and transcendental equations; numerical differentiation and integration; numerical solution of ordinary differential equations.

MATHEMATICS 44. MODERN GEOMETRY.   4 *credits*

Prerequisite, Mathematics 36.

This course is designed to introduce the student to Non-Euclidean Geometry. The approach is to determine how the varying of the parallel axiom of Euclid leads naturally to parabolic, elliptic, and hyperbolic geometry. Ample examples are presented and interesting theorems are proven which interrelate the three systems. Special emphasis is placed on projective geometry where famous theorems are derived in the pure sense by logical deduction employing the axioms of the system and in the algebraic sense by the manipulation of equations in homogeneous coordinates. Topics include: axiomatic systems, harmonic elements, cross ratio, perspectivities and the projective theory of conics.

MATHEMATICS 46. PROBABILITY AND STATISTICS.

Prerequisites, Mathematics 14 *and* 25.   4 *credits*

Probability and statistics based on set theory. Sample spaces, binomial distribution, correlation, sampling theory, random variables.

Mathematics 47.   Topics in Applied Mathematics—Part 1.

Prerequisite, Mathematics 36.   4 *credits*

Fourier series and integrals. The Laplace transformation. Orthogonal functions. Techniques for the solution of the Laplace, wave and diffusion equations.

Mathematics 48.   Topics in Applied Mathematics—Part 2.

Prerequisite, Mathematics 47.   4 *credits*

Vector analysis; the theorems of Stokes, Gauss, and Green; vector calculus, line and surface integrals, introduction to the functions of a complex variable, the Cauchy integral theorem, analytic functions, Laurent's series, Residues, contour integration.

Mathematics 49.   Topics in Applied Mathematics—Part 3.

Prerequisite, Mathematics 48.   4 *credits*

Special functions of mathematical physics; Bessel functions; hypergeometric functions; Laguerre, and Hermit polynominals; applications to physical problems.

Mathematics 60.   Computer Programming.

Prerequisite, Mathematics 36.   4 *credits*

General description of the 1620 computer and peripheral equipment; types of assemblers; detailed description of Gotran and Fortran with Format languages; mathematical and business applications' laboratory exercises.

PHILOSOPHY

JOSEPH C. MIHALICH, Ph.D., *Chairman*

Philosophy 11.   Logic.   3 *credits*

An introduction to the science of correct thinking as reflected in the processes of definition, construction of syllogisms, and analysis of common fallacies. The course includes both traditional and modern approaches to logic. (Formerly Introduction to Philosophy and Logic) .

Philosophy 12.   Contemporary Philosophies of Man.

Prerequisite, Philosophy 11.   3 *credits*

An investigation of the nature and powers of man, the origin and destiny of the human soul and the nature of human knowledge, with emphasis both on the Aristotelian-Thomistic approach and contemporary variations.

PHILOSOPHY 13.   PRINCIPLES AND PROBLEMS OF ETHICS.

Prerequisite, Philosophy 12.   3 *credits*

An exposition of the principles governing the rightness and wrongness of human actions, along with an analysis of human happiness, the role of the natural moral law and the nature of virtue. Instruction in the application of ethical principles in the solution of problems in family, political, business, professional and international societies.

ELECTIVE COURSES IN PHILOSOPHY

PHILOSOPHY 14.   PHILOSOPHY OF SCIENCE.   3 *credits*

An investigation of the relationship between philosophy and science from the standpoint of knowledge and method; philosophical problems common to the natural and social sciences. An historical survey will discuss the development of scientific method and the nature of scientific progress.

PHILOSOPHY 15.   PHILOSOPHY OF COMMUNISM.   3 *credits*

A study of dialectical materialism considered as the philosophical foundation of contemporary socialism and communism. The basic writings of Marx, Engels, Lenin and their immediate disciples will be analyzed, along with the works of the French and British socialists.

PHYSICS

(Electronic Physics)

JUAN AMODEI, Ph.D., *Co-Chairman*

PHYSICS 11.   GENERAL PHYSICS—PART 1.

Prerequisite, Mathematics 12.   4 *credits*

The general course in physics introduces the student to the fundamentals of the science. The topics considered in Part 1 in lecture and laboratory are mechanics and fluid mechanics.

PHYSICS 12.   GENERAL PHYSICS—PART 2.

Prerequisities, Physics 11, Mathematics 23.   4 *credits*

The second part of general physics covers the topics of sound, electricity, and magnetism.

PHYSICS 13. GENERAL PHYSICS—PART 3.

Prerequisites, Physics 12, *Mathematics* 23.   4 *credits*

The third part of general physics includes the topics of heat, kinetic theory, optics, and introduction to modern physics.

PHYSICS 23. ELECTRICITY AND MAGNETISM.

Prerequisites, Physics 13, *Mathematics* 25.   4 *credits*

The purpose of the course is to develop the fundamentals of electricity and magnetism. The principal topics are electric fields, Gauss's Law, potential, capacitors, dielectrics, polarization, displacement, magnetic field. Ampere's Law, magnetization, induced emf, Maxwell's equations, inductance, D-C circuit analysis, transients, steady-state A-C circuits, reactance and impedance.

PHYSICS 24. CIRCUIT THEORY—PART 1.

Prerequisite, Physics 23, *Mathematics* 36.   4 *credits*

The purpose of this course is to continue the development of basic circuit theory with emphasis on network behavior to sinusoidal forcing functions. The contents include resonance, network theorems, coupled circuits, simple filters, and the classical and Laplace transform treatment of linear transient circuits.

PHYSICS 31. MODERN PHYSICS.

Prerequisites, Physics 23, *Mathematics* 47.   4 *credits*

This course develops in greater depth the areas of Physics which are necessary for an understanding of modern electronic devices. Newtonian mechanics is reviewed with emphasis on more general techniques of solving problems. The laws of quantum mechanics are introduced and are illustrated by a discussion of simple one and three-dimensional quantum phenomena. The concepts are extended to a quantum mechanical description of atomic structure, the periodic table of the elements, and the band theory of solids. A brief introduction to statistics is given and the results are applied to the calculation of electron distributions in metals and insulators. Optical properties of atoms and solids are discussed.

PHYSICS 35. ELECTRONIC DEVICES.

Prerequisite, Physics 31, *Physics* 24.   4 *credits*

This course gives a thorough description of the electrical behavior of passive and active electronic devices. It includes a brief introduction to thermionic emission and vacuum devices followed by an extensive treatment of semi-conductor devices. The electrical properties of intrinsic and doped semi-conductors are derived, and a physical model of PN junctions is discussed in detail. Physical models are developed for bipolar and field effect transistors and equivalent circuits are derived for these devices; their performance features are discussed at length. Other semi-conductor devices, such as "Zener" diodes, tunnel diodes, and PN junctions lasers, are described qualitatively.

PHYSICS 36. ELECTRONIC CIRCUITS.

Prerequisite, Physics 35, or taken concurrently with Physics 35.   *4 credits*

This course serves as an introduction to the use of active devices in electronic circuits. Circuits employing vacuum tubes, field effect transistors and junction (bipolar) transistors are discussed. Topics covered include: power supplies, basic amplifier configurations, biasing, frequency characteristics, transient response, power amplifiers, tuned amplifiers and selected circuit configurations. Digital circuits are introduced. MOS and bipolar integrated circuits are discussed and methods for fabricating these devices are explained. The application of semiconductors in Large Scale Integration (LSI) is described.

PHYSICS 42. PULSE AND DIGITAL CIRCUITS.

Prerequisite, Physics 36.   *4 credits*

The purpose of the course is to present a logical, unified approach to the analysis and design of those circuits where the nonlinearity of the vacuum tube or transistor is significant and the waveforms produced or controlled are for the most part nonsinusoidal. Topics covered include linear and nonlinear wave shaping circuits, diode switching and control gates, logic circuits and logical design, linear sweep circuits, multivibrations, and other pulse and digital circuits.

PHYSICS 48. FIELD THEORY.

Prerequisite, Physics 31, Mathematics 48.   *4 credits*

The course in Field Theory is concerned primarily with the development of the theory of electric waves. The topics considered are waves in dielectric and conducting media, and an introduction to transmission lines, wave guides and antennas.

PHYSICS 49. CIRCUIT THEORY—PART 2.

Prerequisite, Physics 36, Mathematics 36.   *4 credits*

The scope of this course is network analysis and the rudiments of network synthesis for both deterministic and stochastic inputs. Topics which are included are transform methods of computing network responses, pole-zero representation, the synthesis of simple two and four terminal networks, probability theory, characterization of stochastic processes and the response of networks to random inputs.

PHYSICS 52. INTRODUCTION TO DIGITAL COMPUTERS.

Prerequisite, Physics 42.   *4 credits*

Non-decimal number systems are introduced with special emphasis on binary arithmetic. Various codes are studied in terms of geometric representations and error detection and correction properties. An introduction to boolean algebra is presented. Analysis and synthesis of combinatorial logic is discussed using boolean algebra and map techniques for simplification. The analysis and synthesis of sequential logic is then discussed along with the development of simple digital configurations such as adders, shifters, timing level generators, parity checkers, decoders, etc. A simple discussion of timing problems, rates and delay, is presented. State diagrams, transition tables and timing charts are introduced as design aids.

PHYSICS 57. COMMUNICATION THEORY AND CIRCUITS.

Prerequisites, Physics 49, Mathematics 48.   *4 credits*

This course constitutes a first treatment of the classic forms of modulation and detection and some of the critical types of associated circuitry. A.M., S.S.B., F.M., phase modulation and simple forms of pulse modulation are analysed. The circuit requirements for the functional design of modulators, detectors, and oscillators are studied with special emphasis on transistor circuits and the use of feedback to improve stability. (Formerly Physics 37.)

ELECTIVE COURSES IN ELECTRONIC PHYSICS

PHYSICS 63. COMPUTER SYSTEMS.

Prerequisite, Physics 52.   *4 credits*

This course features a detailed study of system organization. Topics discussed will include: indexing, microprogramming, indirect addressing, compilers, interpreters, assemblers, loaders, operating systems, arithmetic algorithms, input-output systems, multiprogramming, multiprocessing, and time sharing.

PHYSICS 65. MODERN COMMUNICATION SYSTEMS.

Prerequisite, Physics 57.   *4 credits*

An introduction to the theoretical foundations of modern communication systems and descriptions of example systems. Topics to be included are a review of probability theory, the mathematical description of random waveforms, the detection of signals in noise, signal design and the concept of channel capacity. Included will be a detailed examination of such modern communication systems as satellite relays and tropo scatter links with the objective of illustrating the application of the theoretical principles.

Physics 67. Quantum Electronics.

Prerequisite, Physics 31.   4 *credits*

This course provides a basic introduction to the optical properties of materials with emphasis on the description of phenomena with practical applications. Topics to be included are: absorption and emission of radiation by atomic systems and crystals, gas and solid state lasers, optical signal detectors, modulation and deflection of light beams, and optical techniques for information storage.

POLITICAL SCIENCE

ROBERT J. COURTNEY, Ph.D., *Chairman*

Political Science 1.   The Science of Government.   4 *credits*

This course is designed to give the student an appreciation of the principles, theories, development and practical workings of the major modern governments. The content of the course includes a consideration of the theory and elements of the state; a comparison of the governments of Great Britain, France, the United States and Russia; a treatment of revolutions, constitutions, federations, suffrage, the party system, and citizenship; a discussion of the legislative, executive, judicial and administrative branches of the major governments; and involvement in international problems.

Political Science 2.   American Federal Government.   4 *credits*

This course provides a basic understanding of the organization, operation and function of the Federal Government of the United States. The principal topics considered are the constitutional basis of the Federal Government, the rights of the people, the political processes, and the organization, powers and operation of the various branches of the government.

Political Science 3.   Political Geography.   4 *credits*

This course is a survey of the geographic factors influencing the real and potential economic and political development of nations.

Political Science 5.   Comparative Government.   4 *credits*

A comparative analysis of the constitutional principles and governmental organizations of the major European powers.

Political Science 6.   International Relations.   4 *credits*

An analysis is made of the basic patterns and major factors underlying international politics. Consideration is given to current international problems.

Political Science 7.   Modern Political Thought.   4 *credits.*

This course is a consideration of major trends in political philosophy from the 18th century to the present.

PSYCHOLOGY

VICTOR D. BROOKS, Ed.D., *Co-Chairman*

Psychology 1.   Psychology of Adjustment.   4 *credits*

This course has the threefold purpose of providing the student with an understanding of modern psychological principles, of helping him to become more effective in his social relationships, and of aiding him in evaluating his own personal patterns of behavior. The course deals successively with the factors that determine human behavior; the measurement of intelligence; the development of feelings of inferiority in normal individuals; and the most recent findings on the etiology, symptoms and treatment of abnormal behavior evidenced in neurotics, psychotics, alcoholics, and other psychological deviations.

Psychology 2.   Personnel Psychology.   4 *credits*

The purpose of this course is to introduce students to the methods and empirical findings of personnel psychology. The course covers the use of psychological techniques practiced in the recruiting, interviewing, testing, selecting and placing of employees. The student will receive intensive training in the use of psychological tests for measuring intelligence, aptitude, interest and personality.

Psychology 3.   General Psychology.   4 *credits*

An introduction to the facts and theories of the science of psychology. The nature of the human person and his behavior are studied, insofar as these are known from scientific observation. The nature, scope, and methods of modern scientific psychology, the biological and social foundations of behavior, motivation, and emotions constitute the subject matter.

Psychology 4.   Abnormal Psychology.

Prerequisite, Psychology 1 or 3.   3 *credits*

An introductory course surveying the principal forms of the major and minor mental disorders, with emphasis on the causes, symptoms, course and treatment. An analysis of the over-all problem of mental illness and a study of certain borderline personality and behavioral patterns and other forms of psychological deviation.

PSYCHOLOGY 5. CHILD AND ADOLESCENT PSYCHOLOGY.

Prerequisite, Psychology 1 or 3.   4 *credits*

A survey of the development of children from birth through adolescence. Aspects of physical, intellectual, motor and personality development will be considered. The etiology and modification of deviant behavior in the various age groups will be discussed.

PSYCHOLOGY 6. INTERVIEWING AND COUNSELING TECHNIQUES.

Prerequisite, Psychology 3.   3 *credits*

A presentation of interviewing as a tool of communication with accent on the personnel and social work areas. A study of the skills involved from the casual meeting to the intensive interrogation. A survey of counseling methods.

PSYCHOLOGY 7. SOCIAL PSYCHOLOGY.   3 *credits*

A study of the facts and theories dealing with the phenomena of social behavior. Focuses on individual behavior as it affects and is affected by the behavior of others.

PSYCHOLOGY 8. PERSONALITY DYNAMICS.   3 *credits*

An analysis of the human system, the dynamics of individual behavior, and a consideration of resources necessary for effective living as they are related to a better understanding of personal adjustments in healthy persons developing toward maturity.

SOCIOLOGY

THOMAS M. COFFEE, Ph.D., *Chairman*

SOCIOLOGY 10. INSTITUTE IN CRIMINAL JUSTICE.   3 *credits*

Designed for law enforcement and correctional personnel, this course will involve a consideration of the causes and treatment of crime and delinquency. Special emphasis will be given to current legal and social changes facing criminal justice personnel. Lecture and discussion sessions will feature guest speakers and faculty. Offered only during summer sessions.

SOCIOLOGY 11. INTRODUCTORY SOCIOLOGY.   4 *credits*

The purpose of this course is to give the student a broad understanding of human behavior as it manifests itself in social relationships, social groups and society. The course includes an analysis of the structure and function of social organization, culture, socialization, social groups, social stratification, social institutions, collective behavior, and the community.

SOCIOLOGY 12. INDUSTRIAL SOCIOLOGY.   3 *credits*

This course is concerned with the study of the structural-functional aspects of industry and of trade unionism, and with the interrelationship between the industrial society and the larger social order. Some of the topics treated are industry and its relationship to the community, to the family, to social classes, minority groups and government.

SOCIOLOGY 13. SOCIAL DEVIANCY AND SOCIAL DISORGANIZATION.   3 *credits*

Significant social problems of American society in the areas of crime, delinquency, penology, race, ethnicity, mental health, population, the family and community disorganization will be discussed.

SOCIOLOGY 14.   MARRIAGE AND THE FAMILY.   4 *credits*

A study of the factors which make for successful family life.

SOCIOLOGY 15.   JUVENILE DELINQUENCY.   3 *credits*

Case History analyses, with a view to providing a practical inquiry into causes, therapeutic measures and treatment resources.

SOCIOLOGY 16.   CRIMINOLOGY.   3 *credits*

A consideration of the causes of crime and the social and psychological characteristics of criminal behavior.

SOCIOLOGY 17.   PENOLOGY.   3 *credits*

A consideration of law enforcement, the administration of justice and the punishment and treatment of criminals.

SOCIOLOGY 18.   URBAN SOCIOLOGY.   3 *credits*

A study of urban growth and change with particular reference to the influence this has had on social relationships.

SOCIOLOGY 19.   MINORITY GROUPS.   3 *credits*

An examination of the racial and ethnic groups that compose U.S. society. Emphasis on the processes involved in social change and inter-group relations.

SOCIOLOGY 26.   SOCIOLOGICAL THEORY.   3 *credits*

A survey of the results of theory-making from the genetic point of view. Emphasis will be given to theorists who have had the most influence in American sociology.

SOCIOLOGY 30.   SOCIAL STRATIFICATION.   3 *credits*

A survey of the sociologists' approach to the study of class, status and power. Emphasis will be given to major empirical works in stratification and social mobility.

SOCIOLOGY 31.   INDEPENDENT STUDY IN SOCIOLOGICAL THEORY.   3 *credits*

In this course the student will be required to pursue faculty supervised readings in sociological theory. Intensive inquiry into the works of major theorists will form the basis for individual projects.

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SOCIOLOGY 35, 36.   CRIMINAL JUSTICE COUNSELING.   8 *credits*

This two semester course has the purpose of acquainting the student with the principles and practices of individual and group counseling techniques in the criminal justice field. Group dynamics and counseling approaches will be presented through class lectures, discussions and participation in the group experience. Special emphasis will be placed on the applicability of techniques and principles to the offender population.

SOCIOLOGY 47.   RESEARCH METHODS.   3 *credits*

A survey of research method in the social sciences and its application to sociological problems. The design of research, the collection of data, tabular and graphical presentations and techniques of data analysis are some of the topics presented.

SOCIOLOGY 51.   INDEPENDENT STUDY IN SOCIOLOGY.   4 *credits*

This course is designed to offer the general sociology student the opportunity to apply knowledge to an individually selected research project. Faculty guidance in planning and completing this project will be scheduled.

SOCIOLOGY 52.   INDEPENDENT STUDY IN CRIMINAL JUSTICE.   4 *credits*

This course is designed to offer the criminal justice student the opportunity to apply knowledge to an individually selected project. Faculty guidance in planning and completing this project will be scheduled.

STATISTICS

CASIMIR CIESLA, Dr. Rer. Pol., *Co-Chairman*

STATISTICS 15.   BUSINESS STATISTICS—PART 1.   4 *credits*

General introduction to the basic ideas and procedures of statistical analysis with special emphasis on their application to economics and business. Methods of statistical description, index numbers and time series analyses.

STATISTICS 21.   BUSINESS STATISTICS—PART 2.   4 *credits*

Foundations of statistical inference as applied to decision-making on the basis of limited information. Basic concepts of probability, probability distributions, estimation and test of hypotheses, regression and correlation techniques.

THEOLOGY

JAMES J. KAISER, F.S.C., S.T.D., *Chairman*

Six semester hours in Theology are required of all Catholic Students. Of the six hours, the student is to choose one course from Group A—Introduction to Theology and Doctrinal Studies—and one course from Group B—Special Studies in Theology.

GROUP A—INTRODUCTION TO THEOLOGY AND DOCTRINAL STUDIES.

THEOLOGY 11. THEOLOGY OF THE BIBLE. 3 credits

A presentation of the Person and redemptive mission of Christ through a study of the background, characteristics, and contents of the Gospels. The Incarnation is treated from the historic and dogmatic viewpoints. The approach includes a survey of ancient Israel's history, religion, and hope for a future Savior. Inspiration, inerrancy, and modern biblical criticism of the Old and New Testament, are explained, as well as the various literary forms.

THEOLOGY 14. THEOLOGY OF THE CHURCH. 3 *credits*

The role of the Church in modern society.

The common bond of Christianity is shown by studying the person of Christ and the historicity of the gospels. A study of the nature and mission of the Church is made with special emphasis on the Second Vatican Council's Constitution on the Church and the Decree on Ecumenism. Stress is laid on the Mystical Body, and the role of the laity as the People of God.

THEOLOGY 18. THEOLOGY OF THE SACRAMENTS. 3 *credits*

The Church is viewed as the People of God and the Sacrament of the risen Christ. The Christian's participation in the Divine Trinitarian life through grace is demonstrated. The sacraments are seen in their ecclesial dimension as the saving acts of the living Christ; emphasis is placed on the Christian initiation: Baptism, Confirmation, and the Eucharist, as seen in the Constitutions of Vatican Council II.

GROUP B—SPECIAL STUDIES IN THEOLOGY

THEOLOGY 21. CONTEMPORARY MORAL THEOLOGY. 3 *credits*

Studies the nature of responsible Christian human activity with detailed application of principles to contemporary problems; situational morality; natural law and human life; social justice.

THEOLOGY 25. COMPARATIVE RELIGIONS. 3 *credits*

A cultural and historical approach to the rise and development of Judaism, Christianity, and Islam. The course will include discussion of the major religions, including principal Protestant theologians.

THEOLOGY 35. THE DEVELOPMENT OF JEWISH RELIGIOUS THOUGHT. 3 *credits*

An extensive survey of the Jewish Religion, including discussion and analysis of Jewish theology, religious practices, ritual, and customs, treated in the light of other great religions of the world.

ADMINISTRATION

Brother Daniel Burke, F.S.C., Ph.D. ....*President*

Brother Emery C. Mollenhauer, F.S.C., Ph.D. ......*Vice-President, Academic Affairs*

Thomas N. McCarthy, Ph.D. ....*Vice-President, Student Affairs*

Joseph Sprissler, D.C.S. ....*Vice-President, Busines Affairs*

John L. McCloskey, M.B.A. ....*Vice-President, Public Relations*

Brother Walter Paulits, F.S.C., Ph.D. ....*Dean of Evening and Summer Sessions*

David J. Smith, B.S. ....*Assistant Dean, Registrar*

Raymond A. Ricci, B.A. ....*Administrative Assistant*

John J. King, B.A. ....*Director of Admissions*

Brother Edward John, F.S.C., D.C.S. ....*Bursar*

Brother Thomas Warner, F.S.C. B.S. in L.S. ....*Director of Library*

Francis B. McKeough, B.S. ....*Director of Financial Aid*

John H. Veen, B.S. ....*Director of College Union*

Thomas L. Shaw ....*Director of Food Service*

Francis DeSales Kerr, B.S. ....*Manager of Campus Store*

THE COLLEGE COUNCIL: Brother Daniel Burke, *Chairman;* Brother Emery Mollenhauer, Dr. Thomas McCarthy, Dr. Joseph Sprissler, Mr. John McCloskey, Brother David Kelly, Mr. Bruce McLeod, Brother Walter Paulits, Dr. Robert Courtney, Mr. Charles Halpin, Dr. E. Russell Naughton, (three elected members from the student body—two Day Division students and one Evening Division student) ; Mrs. Margaret Lennon, *Secretary.*

ADMISSIONS COMMITTEE: Mr. John J. King, *Chairman;* Brother Walter Paulits, Mr. David J. Smith, Mr. Raymond A. Ricci.

CURRICULUM COMMITTEE: Brother Walter Paulits, *Chairman;* Mr. Joseph Markmann, Mr. Robert Preston, Mr. Casimir Ciesla, Mr. Charles Kelly, Mr. Melvin Woods, Mr. Dennis McCarthy, Mr. Joseph Crowley, Mr. Juan J. Amodei, Mr. George Swoyer, Mr. E. J. Nolan, Mr. John Keenan, Mr. David J. Smith.

ACADEMIC AFFAIRS COMMITTEE: Brother Walter Paulits, *Chairman;* Mr. Victor Brooks, Mr. Joseph Crowley, Mr. Joseph Mooney, Mr. Edward Nolan, Mr. Robert Rowland, Mr. Joseph Markmann.

AWARDS COMMITTEE: Brother Walter Paulits, F.S.C., *Chairman;* Mr. David J. Smith, Mr. Raymond A. Ricci, and three members of faculty and/or student body, dependent on nature of awards.

STUDENT AFFAIRS COMMITTEE: Mr. John J. King, *Chairman;* President of Student Congress; President of the Senior Class; President of three student organizations.

FACULTY OF THE EVENING DIVISION

ROGER C. ALIG ....PHYSICS
    B.A., Wabash College
    M.S., Ph.D., Purdue University

ARTHUR A. ALLEN ....MATHEMATICS
    B.S., M.E., Drexel Institute of Technology
    M.Ed., Temple University

CARL J. ALLEN ....PHILOSOPHY
    B.A., Colorado College
    M.A., University of Notre Dame

GERARD A. ALPHONSE ....PHYSICS
    B.S., M.S., New York University
    Ph.D., Polytechnic Institute of Brooklyn

JUAN J. AMODEI ....PHYSICS
    B.S. in E.E., Case Institute of Technology
    M.S. in E.E., Ph.D., University of Pennsylvania

E. ANTHONY ANDERSON ....MANAGEMENT
    B.S., M.A., Ph.D., University of Pennsylvania

C. RICHARD ANTONSON ....STATISTICS
    B.S., University of Notre Dame
    M.S., Ph.D., Northwestern University

JOSEPH F. ARMSTRONG ....ACCOUNTING
    B.S., La Salle College
    M.S., Temple University

ISADORE E. AXLER ....FINANCE
    B.S., M.Ed., Temple University

EDWARD J. BADER ....ACCOUNTING
    B.S., La Salle College
    M.B.A., Temple University

MAX BARTH ....CHEMISTRY
    B.A., Ph.D., New York University

REV. JOHN V. BARTOS ....THEOLOGY
    B.A., M.A., St. Charles Seminary
    M.A., La Salle College

DAVID G. BERGER ....SOCIOLOGY
    B.S., University of Wisconsin
    M.A., Ph.D., Vanderbilt University

WILLIAM C. BERGMANN ....MANAGEMENT
    B.S., La Salle College
    M.B.A., University of Pennsylvania

JOSEPH J. BERNIER ....PSYCHOLOGY
    B.A., Juniata College
    M.Ed., Rutgers University

JAMES E. BIECHLER ....THEOLOGY
    B.A., Marquette University
    M.A., Saint Paul Seminary
    J.C.L., Catholic University of America

WILLIAM J. BINKOWSKI ....HISTORY
    B.A., La Salle College
    M.A., University of Pennsylvania

BERNHARDT G. BLUMENTHAL ....GERMAN
    B.A., La Salle College
    M.A., Northwestern University
    Ph.D., Princeton University

RONALD H. BOHR ....SOCIOLOGY
    B.A., Wagner Lutheran College
    B.D., Lutheran Theological Seminary
    M.A., Ph.D., State University of New York at Buffalo

RICHARD P. BOUDREAU ....FRENCH
    B.A., Seton Hall University
    M.A., Ph.D., Princeton University

LAWRENCE G. BOWMAN ....ENGLISH
    B.A., La Salle College

WILLIAM H. BRENDLEY, JR. ....CHEMISTRY
    B.S., M.S., St. Joseph's College
    Ph.D., University of Pennsylvania

YVONNE L. BRENDLEY ....CHEMISTRY
    B.S., College of William and Mary
    Ph.D., University of Pennsylvania

GEORGE J. BROOKES, JR. ....ECONOMICS
    B.S., La Salle College
    M.B.A., Drexel Institute of Technology

VICTOR D. BROOKS ....PSYCHOLOGY
    B.S. in Ed., University of Pennsylvania
    M.Ed., Ed.D., Temple University

LEONARD A. BROWNSTEIN ....SPANISH
    B.A., M.A., Temple University

PERRY F. BUCKLEY ....MANAGEMENT
    B.S., Drexel Institute of Technology

PETER R. BUECHLER ....CHEMISTRY
    B.S., Fordham University
    M.S., Denver University
    Ph.D., University of Cincinnati

MARTIN L. BURKE ....BUSINESS LAW
    B.S., La Salle College
    LL.B., Temple University

JOSEPH R. BURNS ....PHYSICS
    B.S., M.S., Princeton University
    Ph.D., Rutgers University

TIMOTHY L. BURRIS ....HISTORY
    B.A., Penna. State University
    M.Ed., Temple University

JOSEPH P. CAIRO ....ECONOMICS
    B.A., La Salle College
    M.A., University of Pennsylvania

PETER M. CAMPANELLA ....BUSINESS LAW
    B.S., LL.B., Temple University

JOSEPH M. CARRIO ....SPANISH
    B.A.S., University of Havana

BRENDA L. CARTER ....PHILOSOPHY
    B.A., Florida State University

RAYMOND F. CHIESA ....FINANCE
    B.A., William & Mary
    M.B.A., Temple University

JOHN H. CHRISTIE ....INSURANCE
    B.S., La Salle College

CASIMIR CIESLA .... STATISTICS
  Dr. Rer. Pol., University of Innsbruck

WALTER CLAVAN .... CHEMISTRY
  B.S., M.S., Ph.D., University of Pennsylvania

JON K. CLEMENS .... PHYSICS
  B.A., Goshen College
  B.S., M.S., Ph.D., Massachusetts Institute of Technology

JOHN A. CLEMENT, JR. .... BUSINESS LAW
  B.A., La Salle College
  LL.B., Temple University

THOMAS M. COFFEE .... SOCIOLOGY
  A.B., Saint Benedict's College
  M.A., Emory University
  Ph.D., University of Notre Dame

GERALD F. CONNELL .... MATHEMATICS
  B.S. in Ch.E., Villanova University

BROTHER DAMIAN CONNELLY, F.S.C. .... MATHEMATICS
  B.A., M.S., Ph.D., Catholic University of America
  M.A., University of Notre Dame

MICHAEL F. CONNORS .... HISTORY
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  M.A., University of Pennsylvania

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  A.B., Villanova University
  A.M., Catholic University
  Ed.D., Temple University

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  M.A., Niagara University
  Ph.D., University of Pennsylvania

JOHN M. COX .... THEOLOGY
  B.A., St. Charles Seminary

JOSEPH E. CROWLEY .... MANAGEMENT
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  LL.B., Temple University

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  M.A., Villanova University

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  Ph.D., Iowa State University

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  M.A., University of Delaware

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  M.A., University of Pennsylvania

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  B.S., M.A., Rutgers University
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    M.A., Niagara University

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    M.A., Temple University

JOHN A. DUFFY, JR. ....ECONOMICS
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JAMES P. DWYER ....MARKETING
    B.A., Duquesne University

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    M.A., University of Pennsylvania

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    B.A., Fiske University
    M.A., Columbia University
    Diploma, University of Madrid

GINO T. FALA ....MATHEMATICS
    B.S., West Chester State College
    M.A., Villanova University

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    M.A., Ed.D., Temple University

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    B.H.L., M.A.H.L., Hebrew Union College

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    M.B.A., Temple University

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    M.A., University of Connecticut

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    B.S., M.B.A., Drexel Institute

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    B.A., M.B.A., University of Pennsylvania

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    B.S., University of Pittsburgh
    M.A., University of Pennsylvania

ALECK GOLDBERG ....PHYSICS
    B.A., M.A., Temple University

REV. VINCENT M. GOLDSTEIN, O.M.I. ....THEOLOGY
    B.A., M.A., University of Ottawa

PAUL GORDON ....MATHEMATICS
    B.S. in Ed., M.S. in Ed., M.A., Ph.D., University of Pennsylvania

SISTER THOMAS MARY GORE ....HISTORY
    B.A., Saint Joseph's College, Windham, Maine
    M.A., Catholic University of America

JOHN S. GRADY ....ECONOMICS
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CHEW AVE.

17

11

12

13

14

STREET

OLNEY AVE.

15

17

COTTAGE LANE

OLNEY AVE.

16
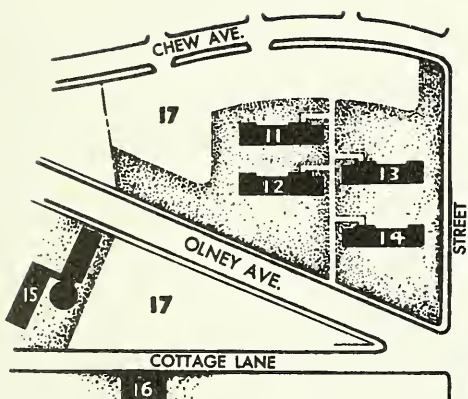
LA SALLE
COLLEGE
CAMPUS

TWENTIETH

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3

4

1

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6

5

10

LEGEND

1	Faculty Building and Community Chapel
2	College Hall
3	Library
4	Science Center
5	College Union Building
6	Wister Hall
7	McShain Hall
8	Leonard Hall
9	Benilde Hall
10	McCarthy Hall
11	St. Denis Residence Hall
12	St. Bernard Residence Hall
13	St. Cassian Residence Hall
14	St. Albert Residence Hall
15	Freshman Residence Halls
16	Senior Residence Hall
17	Parking Area